Wellesley College.

CALENDAR.

1886.

Wellesley College

· Calendar ·

1886.

Digitized by the Internet Archive
in 2014

https://archive.org/details/calendar1886well

Announcements.

		1886
College Exercises resumed after Holiday Vacation,	Wednesday,	January 6.
Day of Prayer for Colleges	Thursday,	January 28.
Winter Term ends	Wednesday,	March 24.
Spring Term begins	Thursday,	April 8.
Entrance Examinations	Thursday, Friday,	June 17, 18.
COMMENCEMENT	Tuesday,	June 22.
Alumnæ Day	Wednesday,	June 23.

COLLEGIATE YEAR, 1886–87.

Entrance Examinations begin at 9 A. M. . .	Wednesday,	September 8.
Fall Term begins at 9 A. M.	Thursday,	September 9.
Thanksgiving Recess, to Monday evening following	Wednesday noon,	November 24.
Fall Term ends at noon	Wednesday,	December 22.
		1887.
Winter Term begins at 9 A. M.	Thursday,	January 6.
Day of Prayer for Colleges	Thursday,	January 27.
Winter Term ends at noon	Wednesday,	March 23.
Spring Term begins at 9 A. M.	Thursday,	April 7.
Entrance Examinations	Thursday, Friday,	June 16, 17.
COMMENCEMENT	Tuesday,	June 21.
Alumnæ Day	Wednesday,	June 22.

Board of Trustees.

Rev. NOAH PORTER, D.D., LL.D. . . . *President of Yale College.*
PRESIDENT OF THE BOARD.

Rev. HOWARD CROSBY, D.D., LL.D. . . . . *New York.*
VICE-PRESIDENT.

Mrs. HENRY F. DURANT . . . . . *Wellesley.*
SECRETARY AND TREASURER.

Rev. WILLIAM F. WARREN, D.D., LL.D. . *President of Boston University.*
Rev. ALVAH HOVEY, D.D., LL.D., *President of Newton Theological Seminary.*
Rev. GEORGE Z. GRAY, D.D., *Dean Episcopal Theo. School of Mass., Cambridge.*
Rev. NATHANIEL G. CLARK, D.D., LL.D., *Secretary of the A. B. C. F. M.*
Rev. RANDOLPH S. FOSTER, D.D., LL.D., *Bishop of M. E. Church, Boston.*
Rev. JOHN HALL, D.D. . . . *Chancellor of the University of New York.*
Rev. BRADFORD K. PEIRCE, D.D. . . . . *Newton Centre.*
Rev. WILLIAM H WILLCOX, D.D., LL.D. . . . . *Malden.*
Rev. JOSEPH T. DURYEA, D.D. . . . . *Boston.*
Mr. DWIGHT L. MOODY . . . . . *Northfield.*
Mr. ELISHA S. CONVERSE . . . . . *Malden.*
Hon. WILLIAM CLAFLIN, LL.D. . . . . *Boston.*
Mrs. WILLIAM CLAFLIN . . . . . *Boston.*
Hon. RUFUS S. FROST . . . . . *Chelsea.*
Mr. A. W. STETSON . . . . . *Boston.*
Mrs. ARTHUR WILKINSON . . . . . *Cambridge.*
Mrs. H. B. GOODWIN . . . . . *Boston.*
Mrs. CAROLINE A. WOOD . . . . . *Cambridgeport.*
Mr. WILLIAM S. HOUGHTON . . . . . *Boston.*
Mrs. WILLIAM S HOUGHTON . . . . . *Boston.*
Rev. ALEXANDER McKENZIE, D.D. . . . . *Cambridge.*
Miss ALICE E. FREEMAN, Ph.D. . . . *President of Wellesley College.*

Board of Visitors.

PROF. E. N. HORSFORD . . . . . *Cambridge.*

PRESIDENT OF THE BOARD.

*1886.

REV. BORDEN P. BOWNE, LL.D. . *Prof. Philosophy, Boston University.*
FRANCIS A. WALKER, PH.D., LL.D., *President Mass. Institute of Technology.*
REV. EDWARD G. PORTER . . . . . *Lexington.*
REV. WM. E. HUNTINGTON, PH.D., *Dean College of Liberal Arts, Boston Univ.*
MR. ARTHUR GILMAN . . . . . *Cambridge.*

1887.

PROF. E. N. HORSFORD . . . . . *Cambridge.*
PROF. JOHN F. WEIR, N.A., M.A. . . . . *Yale College.*
JAMES B. ANGELL, LL.D. . . . . *President Michigan University.*
PROF. ARTHUR S. HARDY, PH.D. . . . . *Dartmouth College.*
REV. EDWARD ABBOTT . . . . . *Cambridge.*

1888.

FRANCIS COGSWELL . . . *Superintendent of Schools, Cambridge.*
REV. HENRY A. STIMSON . . . . . *Worcester.*
REV. WILLIAM E. MERRIMAN, D.D. . . . . *Somerville.*
REV. HENRY A. METCALF . . . . . *Auburndale.*
REV. LOUIS K. SCHWARZ . . . . . *Boston.*

1889.

REV. S. F. SMITH, D.D. . . . . *Newton Centre.*
PROF. J. B. SEWALL . . . . *Principal Thayer Academy, Braintree.*
ALBERT P. MARBLE, PH.D. . . . *Superintendent of Schools, Worcester.*
PROF. J. C. GREENOUGH . *President State Agricultural College, Amherst.*
REV. GEO. W. SHINN, D.D. . . . . *Newton.*

* The term expires at the annual meeting of the year indicated.

Faculty.*

ALICE E. FREEMAN, Ph.D.,
President, and Professor of Political Science.

MARY E. HORTON,
Professor of the Greek Language and Literature.

SUSAN M. HALLOWELL, M.A.,
Professor of Botany.

ELIZABETH H. DENIO,
Professor of German, and the History of Art.

†FRANCES E. LORD,
Professor of the Latin Language and Literature.

SARAH F. WHITING,
Professor of Physics and Physical Astronomy.

MARIA S. EATON,
Professor of Chemistry and Mineralogy.

HELEN A. SHAFER, M.A.,
Professor of Mathematics.

LOUISE M. HODGKINS, M.A.,
Professor of English Literature.

* Arranged, with the exception of the President, in the order of appointment, by classes: Professors, Instructors, and other Officers.

† In Europe, on leave of absence.

ANNE EUGENIA MORGAN, M.A.,
Professor of Mental and Moral Philosophy.

MARY A. WILLCOX,
Professor of Zoölogy.

KATHERINE COMAN, PH.B.,
Professor of History and Political Economy.

*MARGARET E. STRATTON, M.A.,
Professor of the English Language and Rhetoric.

MARY A. CURRIER,
Professor of Elocution.

CARLA WENCKEBACH,
Professor of the German Language and Literature.

ROSALIE SÉE, B.S.,
Professor of the French Language and Literature.

RACHEL T. SPEAKMAN, M.D.,
Resident Physician, and Professor of Physiology and Hygiene.

ELLEN A. HAYES, B.A.,
Associate Professor of Mathematics.

SARA A. EMERSON, B.A.,
Acting Professor of Latin, and Instructor in Hebrew.

MARY PATTERSON MANLY,
Acting Professor of the English Language and Rhetoric.

LUCIA F. CLARKE,
Instructor in Latin.

* In Europe, on leave of absence.

EVA CHANDLER, B.A.,
Instructor in Mathematics.

ANGIE CLARA CHAPIN, B.A.,
Instructor in Greek.

CLARA E. CUMMINGS,
Instructor in Cryptogamic Botany.

LOUISE J. McCOY, M.A.,
Instructor in Greek.

CHARLOTTE F. ROBERTS, B.A.,
Instructor in Chemistry.

LUCY C. ANDREWS, B.A.,
Instructor in Ethics.

MARY C. MONROE,
Instructor in Rhetoric and Anglo-Saxon.

ANNA B. GELSTON, PH.B.,
Instructor in Mathematics.

MARY CASWELL,
Instructor in Botany.

ANNIE S. MONTAGUE, M.A.,
Instructor in Greek.

MARION METCALF, B.A.,
Instructor in Chemistry.

MARION MARSH, B.A.,
Instructor in Chemistry.

JULIE M. E. HINTERMEISTER,
Instructor in French and Italian.

GRACE E. COOLEY,
Instructor in Botany.

MYRA J. HOWES, B.A.,
Instructor in English and Rhetoric.

MARY ALICE KNOX, B.A.,
Instructor in History.

ESTELLE M. HURLL, B.A.,
Instructor in Ethics.

EMILY J. CLARK, B.A.,
Instructor in Latin.

MARY S. CASE, B.A.,
Instructor in Latin.

HELENE WENCKEBACH,
Instructor in German.

BERTHA CORDEMANN,
Instructor in German.

ALMA E. AUMACK, B.A.,
Instructor in Physics.

KATHERINE L. BATES, B.A.,
Instructor in English Literature.

CAROLINE G. SOULE, B.A.,
Instructor in Greek.

RALZA M. MANLY, M.A.,
Instructor in Logic.

EVA PASCHE,
Instructor in French.

EVELYN BARROWS, B.A.,
Instructor in Zoölogy.

HARRIET HAWES,
Librarian.

CATHARINE A. RANSOM,
Cashier.

LOUISE A. DENNISON,
Superintendent of Domestic Department.

ANNA M. McCOY,
Secretary.

CAROLINE P. HARRISON,
Superintendent of Stone Hall.

WILLIAM EDWARDS,
Curator of Museum.

LUCILE E. HILL,
Director of the Gymnasium.

ADA A JONES,
Assistant in Library.

LYDIA B. GODFREY, PH.B.,
Library Cataloguer.

HARRIETTE W. TUTTLE,
President's Assistant.

ABBY C. JACKSON,
Assistant Cashier.

JESSIE REID, B.A.,
Secretary to the President.

M. ANNA WOOD,
Assistant in the Gymnasium.

MARY M. FULLER,
Assistant in Chemical Laboratories.

ANNA S. NEWMAN,
Superintendent of Norumbega Cottage.

REV. JOSEPH T. DURYEA, D.D.,
Lecturer on the Theory of Knowledge and Basis of the Christian Evidences.

PROF. WILLIAM H. NILES, PH.B., A.M.,
Lecturer on Geology.

MELVIL DEWEY, A.M.,
Consulting Librarian.
(Secretary American Library Association and Librarian of Columbia College.)

MRS. H. B. GOODWIN,
Lecturer on History of Art.

School of Music.

JUNIUS W. HILL,
Professor of Music, and Director of the School of Music.

ALICE L. EDWARDS,
Teacher of Piano.

HENRIETTA MIDDLEKAUFF,
Organist, and Teacher of Piano and Harmony.

FRANK E. MORSE,
Teacher of Vocal Culture.

EMILY J. HURD,
Teacher of Piano.

WILLIAN CRAWFORD,
Teacher of Vocal Culture.

LOUISE C. LAVERY,
Teacher of Piano.

CLARA E. MUNGER,
Teacher of Vocal Culture.

C. N. ALLEN,
Teacher of Violin.

CARL MEISEL,
Teacher of Viola.

WULF FRIES,
Teacher of Violoncello.

ALEXANDER FREYGANG,
Teacher of Harp.

GEORGE W. BEMIS,
Teacher of Guitar.

School of Art.

IDA BOTHE,
Director of the School of Art.
Drawing from Antique. Painting from Life Model,

JOSEPH R. De CAMP,
Drawing from Antique and Life.

AGNES M. HASTINGS,
Freehand and Mechanical Drawing. Water-color Painting.

EMIL CARLSEN,
Sketching from Nature.

Wellesley College.

WELLESLEY COLLEGE was established to furnish young women who desire to obtain a liberal education, such advantages and facilities as are enjoyed in institutions of the highest grade.

By the charter, "the corporation of Wellesley College is authorized to grant such honorary testimonials, and confer such honors, degrees, and diplomas, as are granted or conferred by any University, College, or Seminary of learning in this Commonwealth; and the diplomas so granted shall entitle the possessors to the immunities and privileges allowed, by usage or statute, to the possessors of like diplomas from any University, College, or Seminary of learning in this Commonwealth."

The College is undenominational, but distinctively and positively Christian, in its influence, discipline, and instruction. The systematic study of the Bible is pursued through all the courses. Worship in the chapel is attended daily by teachers and students. The Sunday services are conducted by ministers of different denominations.

Wellesley is on the Boston and Albany Railroad, fifteen miles west of Boston. The town is known as the most healthful in Massachusetts, and is entirely free from malaria. The College grounds include more than three hundred acres, and give ample opportunity for exercise and recreation. The lake affords a most attractive place for boating in summer, and skating in winter.

Students may room in a large or small building, according to preference. The College accommodates three hundred and fifty; Stone Hall, with its single appartments and four dining-halls, one hundred and seven; Norumbega Cottage, thirty-five; Simpson and Waban Cottages furnish quiet homes for thirty-four. Elevators are in constant use in the large buildings. Advanced students who desire can obtain board in the village.

The health of the family is considered of primary importance. In the construction of the buildings this was constantly in view. Everything possible has been done to give an abundance of light, sunshine, fresh air, and pure water. All the rooms are thoroughly furnished, and supplied with gas and student-lamps. Fresh air is admitted into the basement, and after being heated by contact with steam radiators and charged with moisture by the addition of a prescribed quantity of steam, passes into the rooms through hot-air flues. By means of the registers, the temperature is regulated by the students as they desire. The ventilation is a remarkable success. All the buildings are supplied with hot and cold water. In order

to prevent the possibility of harm from impurities in surface water, Artesian wells have been driven. The drainage, natural and artificial, is faultless. The College, Stone Hall, Norumbega and Simpson Cottages are located on hills, and the ground slopes from them in every direction, so that stagnant waters and dampness are impossible.

A lady physician resides in the College, and gives her personal attention to the arrangements connected with health. She has constant intercourse with the students, and instructs them in the laws of hygiene. They are urged to consult her freely. A resident nurse cares for the sick, under the physician's direction. No charge is made for attendance or medicine except in cases of protracted illness. A hospital, which can be shut off from the rest of the building, is provided for those who need extra care.

East Lodge.

Requirements for Admission.

CANDIDATES for admission must be at least sixteen years of age, and must present satisfactory evidence of good moral character and good health, with credentials from their last instructor, or from the institution where they last studied. These certificates must be forwarded to the President before the student can be received.

No preparatory department is connected with the College.

FOR THE FRESHMAN CLASS IN THE CLASSICAL COURSE,

Students must pass satisfactory examinations in the following studies:—

1. ENGLISH LANGUAGE, LITERATURE, AND RHETORIC.

Grammar.— Including Analysis and Criticism of Sentences.

Rhetoric.— Including Choice of Words, Construction of Sentences, and Figures of Speech. For text-book, A. S. Hill's Principles of Rhetoric, Kellogg's Text-book on Rhetoric, or Hart's Composition and Rhetoric, is recommended.

Composition.— On one of three subjects, to be assigned at the time of the examination, covering not less than two pages (foolscap), correct in pronunciation, capital letters, spelling, and grammar, and showing proficiency in the principles of Rhetoric named above. In order to meet these requirements, students should have frequent practice in Composition during the last years of the preparatory course. The subjects will be taken from the English Literature required for the year.

LITERATURE FOR 1886.— Dickens's Bleak House, Longfellow's The Courtship of Miles Standish, Tennyson's The Princess, History of the Revolutionary War.

The requirements adopted by the Association of New England Colleges for 1887 and 1888 are as follows:—

LITERATURE FOR 1887.— Shakespeare's Julius Cæsar and Merchant of Venice; Johnson's Lives of Milton and Dryden; Macaulay's Essays on

Milton and Dryden; Milton's Paradise Lost, Books I. and II.; Dryden's Alexander's Feast; Scott's Quentin Durward; Irving's Bracebridge Hall.

LITERATURE FOR 1888.— Shakespeare's Julius Cæsar and Twelfth Night; Johnson's Lives of Addison and Pope; Thackeray's English Humorists; Dobson's Eighteenth Century Essays; Pope's Rape of the Lock and Essay on Criticism; Miss Austen's Pride and Prejudice; Irving's Bracebridge Hall; Macaulay's Lays of Ancient Rome.

Pope's Rape of the Lock, Miss Austen's Pride and Prejudice, and Macaulay's Lays of Ancient Rome may be omitted.

2. GEOGRAPHY:—

Guyot's Physical Geography, Parts II. and III., or an equivalent. Modern Geography. Ancient Geography, especially of Greece, Italy, and Asia Minor.

3. HISTORY:—

The History of the United States to the close of the Revolutionary War; Smith's History of Greece to the Peloponnesian War; Merivale's or Leighton's History of Rome to the Augustan Age. History of the Jews, as found in Genesis and Exodus; Smith's Old Testament History, Books I., II., and III., exclusive of Notes and Appendix, will indicate the amount expected.

4. MATHEMATICS:—

Arithmetic.— Fundamental Rules, Common and Decimal Fractions, Compound Numbers, Proportion, Percentage, Square and Cube Root, and the Metric System of Weights and Measures.

Algebra.— Through Involution, Evolution, Radicals, Quadratic Equations, Ratio, Proportion, Arithmetical and Geometrical Progression.

Plane Geometry.— As found in Chauvenet, or its equivalent.

Deficiency in preparation has, in a majority of cases, resulted from using elementary text-books; in others, from neglecting to review all the preparatory mathematics when their study has been for some time discontinued. To meet the first-mentioned cases of failure, we would suggest that Olney's Complete School

Algebra should be used as the text-book, and that additional examples drawn from Olney's University Algebra should be given as test-work. When this is not practicable, some *standard University Algebra* should serve as equivalent. In Geometry, we would recommend Chauvenet's, Olney's, Wentworth's, or Newcomb's.

To all who have dropped their Mathematical studies for any length of time, we would strongly emphasize the necessity of a careful review of the whole work, with test examinations. We find those candidates most successful whose knowledge of subjects passed over has been frequently tested by written examinations (the exercises proposed being drawn from other sources than the text-book), and who in Geometry have had some exercise in original demonstration.

5. LATIN: —

Latin Grammar, including Prosody.

Jones's Exercises in Latin Prose Composition entire, or an equivalent in Arnold, Allen and Greenough, or Harkness.

Cæsar, Gallic War, four books.

Cicero, seven orations.

Virgil, Æneid, six books.

Equivalents in Latin will be accepted; but verse will not be accepted for prose, nor anything in place of Prose Composition.

The following suggestions are offered for a four years' course of preparation:—

The first year may be given to Jones's First Lessons in Latin; the second to Cæsar (four books), and to the first half of Jones's Exercises in Latin Prose Composition; the third year may be given to seven orations of Cicero and the second half of the Prose Composition; and the fourth, to six books of Virgil and the careful study of rules of Prosody, accompanied by such exercises in transposition of verses as will make these rules familiar.

In pronunciation, the following rules are adopted: ā as in father; ă as in fast; ē as in there; ĕ as in met; ī as in machine; ĭ as in piano; ō as in holy; ŏ as in wholly; ū as in rule; ŭ as in puss; c, g, and ch always hard; j like y in you; s as in sill; t as in till; v somewhat softened. In diphthongs, the sound of each vowel is preserved.

6. GREEK: —

Greek Grammar.

Jones's Greek Prose Composition entire, with the accents.

Xenophon, Anabasis, three books.

Homer, Iliad, three books.

The text-books recommended are: for the first year, either Hadley's Grammar, with Boise's First Lessons in Greek, or Goodwin's Grammar, with White's First Lessons in Greek; for the second and third years, Boise's first three books of Xenophon's Anabasis, Jones's Exercises in Greek Prose, and Boise's or Keep's Iliad. Attention is invited to the suggestions in the prefaces of the above books upon the carefully written preparation of exercise work, the oral class drill upon forms and sentences, and the constant use of the blackboard for practice upon forms, and for writing sentences from dictation.

The following pronunciation is recommended: *α* as a in father; *η* as e in prey; *ι* as i in machine; *ω* as o in prone; *υ* as u in prune. The short vowels should be merely somewhat shorter than the corresponding long vowels: *αι* as ay in aye; *ει* as ei in height; *οι* as oi in oil; *υι* as ui in quit; *αυ* as ou in house; *ευ* as eu in feud; *ου* as ou in youth; *γ* before *κ*, *γ*, *χ*, *ξ* as n in anger, elsewhere hard; *ϑ* as th in thin; *χ*, guttural, as ch in German, *machen*.

FOR THE FRESHMAN CLASS IN THE SCIENTIFIC COURSE,

the requirements in English, Geography, History, Mathematics, and Latin are the same as for the Classical Course. Instead of Greek, the candidate must be prepared in either French or German, or both. If French only is presented, she must be prepared upon

Sauveur's Grammar.

Sauveur's Causeries avec mes Eleves.

Sauveur's Les Contes Merveilleux.

Six of La Fontaine's Fables committed to memory.

Two modern plays, from the first volume of Bocher's College Plays.

Hennequin's Idiomatic French and Roulier's Translations into French.

Mme. Alliot's Auteurs Contemporians.

Two Classic Plays, Molière's or Racine's.

The candidate will be expected to be thoroughly familiar with the formation and use of French verbs, and to have given special attention to composition and conversation. Les Contes Merveilleux is especially recommended for drill in conversation.

If German only is presented, she must be prepared upon

Deutsche Grammatik für Amerikaner, by Wenckebach-Schrakamp, and Prose Composition.

Das Deutsches Buch, by Van Daell-Schrakamp.

Deutscher Anschauungs-Unterricht für Amerikaner, by Wenckebach, chapters 1–14, and nos. 1–6 of chapter 19.

Die Schönsten Deutschen Lieder, selected by Wenckebach, nos. 1–55. The first five Volkslieder committed to memory.

Prose Composition according to chap. 20, nos. 1–14, in Deutscher Anschauungs-Unterricht.

Reading, Höher als die Kirche, by Wilhelmine von Hillern; Bilderbuch ohne Bilder, by Andersen; Der Neffe als Onkel, by Schiller.

Equivalents will be accepted, but the preparation should be made in German with German text-books, and students must be prepared to take the third year's course (see Courses of Instruction).

Only German text-books are used, and recitations are conducted entirely in German. Great care should be taken to teach the student from the beginning a correct North German pronunciation and the German script.

If both German and French are presented, nothing less than the first year's course in each (see Courses of Instruction), will be accepted.

The full preparation in either French or German should cover a period of at least two years, five recitations per week; or three years, three recitations per week. This work should not be crowded into a shorter time, and should be done under competent teachers.

ADMISSION TO ADVANCED STANDING.

Candidates for advanced standing must meet the requirements for admission to the Freshman class, and must also be examined in the required studies previously pursued by the class which they wish to join, and in a sufficient number of electives to give full standing with that class.

Students from Colleges of equal requirements may present certificates for the consideration of the Faculty in connection with the examination.

EXAMINATIONS.

Examinations for admission to the Freshman or higher classes may be taken in June or in September. Candidates are permitted to take preliminary examinations in Rhetoric, Geography, History, Arithmetic, Cæsar, and the Anabasis, in June or September, one year before they enter College.

ADMISSION ON CERTIFICATE.

Certificates will be accepted from instructors and from schools whose methods and courses of study are satisfactory to the College authorities. Teachers who desire to send students on certificates, should apply to the College for blank forms, which must be filled out *in full*. No certificate will be accepted unless the arrangement has been seasonably made, and the certificate is approved by the Professors in charge of the examinations. No partial certificates will be accepted unless the candidate is prepared at the time of entrance examinations, to be examined in the subjects not covered by certificates. A certificate must state the amount of work done in each study, the time given to each language and to each branch of mathematics, and the date when the candidate satisfactorily passed examinations *in all the studies* required for admission to the Freshman class. Examinations in Rhetoric, Geography, History, Arithmetic, Cæsar, and the Anabasis may be given not earlier than June of the year before entering: in all other studies, examinations must be given *within a year*. All are requested, in doubtful cases, to throw the responsibility upon the College.

If at the end of the first term it is found that a student has been so imperfectly prepared in any study that she cannot satisfactorily continue it, she cannot be retained in the class.

All certificates *must* be sent by the teachers to the President, *before the first of August*.

Stone Hall.

Stone Hall is especially designed for graduate students of this and other colleges, and for teachers and special students who are pursuing advanced elective courses. It accommodates one hundred and seven, chiefly in single apartments, and has small dining-rooms, instead of the usual large dining-hall.

Admission as Special Students.

I. Special opportunities are offered to those who have taught, and who wish to pursue advanced lines of study, and avail themselves of modern methods of instruction and the use of libraries and laboratories.

Such candidates must furnish certificates of character, of health, and of qualifications to pursue in the regular classes the studies which they select: and after admission must show diligence and scholarship satisfactory to the Faculty, as the condition of their continuance in the College. They may take such studies as they prefer in any of the College classes, giving their whole time, if they wish, to a single branch. Thus, one may choose one of the ancient or one of the modern languages, or mathematics, or one of the sciences, or history, or literature, and give all her strength to that study, reciting daily in three different classes. It is desirable, however, that those who wish to devote their time to science, should spend two years at the College, and select their courses and classes accordingly. A special course of instruction in the use of the compound microscope is given.

Special lectures may also be expected from educators of experience and repute.

II. Other candidates for special courses must be at least eighteen years of age, and must present satisfactory certificates of character, of health, and of ability to pursue in the regular classes the studies which they select. *None will be admitted who have not taken an amount of work equivalent to that required for admission to the Freshman class.* There is no opportunity to do preparatory work, and no classes will be formed for the special instruction of students who are not candidates for a degree. Ten class exercises per week is the minimum, and seventeen the maximum, amount of work allowed. The studies chosen are subject to the approval of the President.

Any student who completes with great credit the full "Course of Instruction" offered in two or more Departments, may become a candidate for a certificate.

After candidates for the Freshman class, and graduate-students, have been received, special students will be accepted, so far as the accommodations of the College will allow. Definite answer to such applications will be given as *early as the first of August*.

Board can be obtained in private families in the town, at prices ranging from four to seven dollars per week.

Candidates are received at any time to fill vacancies.

Courses of Study.

All the regular College Courses extend through four or five years. Evidence of satisfactory scholarship will be insisted upon in all studies, required or elective, as the condition of advancement, or of the attainment of a degree. In the Freshman year all the studies are required, except that Latin may take the place of one modern language in the Scientific Course.

After the Freshman year, students may specialize their work by electing Greek and Latin, or Mathematics, or French and German, or Science, throughout the course. All candidates for a degree must take, in addition to the required studies, a sufficient number of electives to give sixteen exercises per week during the Sophomore, and fifteen during the Junior and Senior years. Eighteen exercises per week may be allowed, in exceptional cases, in the Junior year, by vote of the Heads of Departments. Music, Drawing, Painting, and Elocution, as extra studies, are open to Juniors and Seniors in the regular four years' course.

The College reserves the right to withdraw the offer of any elective study not chosen by at least six students. In the following courses of study are printed only those electives in which classes have been instructed within the last two years. Additional electives will be provided as need arises.

Free instruction in Art will be given in the Art course to those who enter the *Freshman class* in the *Classical Course unconditioned*.

Courses of Study for 1886-'87.

FRESHMAN YEAR.

CLASSICAL COURSE.

LATIN: — *4
Prose Composition.
Letters of Cicero: selected.
Livy, book XXI.
Tacitus: Germania and Agricola.

GREEK: — 4
Plato: Apology and Crito.
Herodotus: selections.
Odyssey: selections.
English into Greek from dictation.

MATHEMATICS: — 4
Solid and Spherical Geometry (Chauvenet).
Advanced Algebra (Newcomb).
Plane Trigonometry (Chauvenet).

LITERATURE: — 1
Lectures on Nineteenth Century Authors.

DRAWING: — 1
Drawing from casts, Geometrical, Perspective.

CHRISTIAN ETHICS: — 1

BIBLE: — 1
Study of the Parables.

ELOCUTION: — 1

PHYSIOLOGY: —

HYGIENE: —
Ten lectures.
Lectures on Greek and Roman Literature will be given throughout the Classical Course.

SCIENTIFIC COURSE.

MATHEMATICS: — 4
Solid and Spherical Geometry (Chauvenet).
Advanced Algebra (Newcomb).
Plane Trigonometry (Chauvenet).

FRENCH *: — 3
History of French Literature to the Seventeenth Century, by Demogeot; selections from English writers into French.
Reading of three Classic Plays, Grammar, and Composition.

GERMAN *: — 3
Schiller's Life and Works (Wiehoff and Scherr); Lectures and Recitations.
Grammar, Composition, and Letter-writing; Object-lessons.
Die Schönsten Deutschen Lieder.

CHEMISTRY: — 3
Theoretical Chemistry.
Study of Elements, and their important compounds, with laboratory practice throughout the year.

LITERATURE: — 1
Lectures on Nineteenth Century Authors.

DRAWING: — 1
Drawing from casts, Geometrical, Perspective.

CHRISTIAN ETHICS: — 1

BIBLE: — 1
Study of the Parables.

ELOCUTION: — 1

PHYSIOLOGY: —

HYGIENE: —
Ten lectures.

* Numerals indicate the number of class exercises per week.

* Latin may be substituted for either French or German, but an elementary knowledge of both modern languages is necessary for the degree of B. S.

SOPHOMORE YEAR.

CLASSICAL COURSE.

REQUIRED.

CHEMISTRY: — 3
Theoretical Chemistry.
Study of Elements, and their important compounds, with laboratory practice.

LITERATURE: — 1
History of English Literature.

RHETORIC: — 1
Structure of the Essay.
Narration, Description,
Exposition, Figures of Speech.
Exercises and six Essays.

BIBLE: — 2
History of the Jewish Church.

ELECTIVES.

LATIN*: — 3
Horace: Odes, Satires, and Epistles, selected.
Prose Composition.
Letters of Pliny, selected.

GREEK*: — 3
Greek Prose Composition.
Demosthenes: select orations.

MATHEMATICS: — 3
Theory of Equations.
Analytical Geometry (Puckle).

POLITICAL HISTORY OF ENGLAND: First half-year. 3

HISTORY OF FRANCE: Second half-year. 3

FRENCH†: — 3

GERMAN†: — 3

SCIENTIFIC COURSE.

REQUIRED.

MATHEMATICS: — 3
Theory of Equations.
Analytical Geometry (Puckle).

LITERATURE: — 1
History of English Literature.

RHETORIC: — 1
Structure of the Essay.
Narration, Description,
Exposition, Figures of Speech.
Exercises, and six Essays.

BIBLE: — 2
History of the Jewish Church.

ELECTIVES.

FRENCH*: — 3
Literature of the Seventeenth Century, by Demogeot.
Selections from English into French.
Selections from chief authors of the Century read and criticised.
Essays and Lectures.

GERMAN*: — 3
History of the German Language and Literature.
Goethe's Life and Works.
Readings from Goethe, Schiller, and Lessing, with Essays.
Poetry.

MINERALOGY: First term. 3

LITHOLOGY: Second term. 3

GEOLOGY: Third term. 3

QUALITATIVE ANALYSIS†: — 3

BOTANY: — 3
General Morphology, with laboratory work and making a herbarium.

POLITICAL HISTORY OF ENGLAND: First half-year. 3

HISTORY OF FRANCE: Second half-year. 3

---

* Candidates for the degree of B. A. must elect either Greek or Latin in the Sophomore year.

† Since the Modern Languages are elective throughout the Classical Course, students can begin the study of French and German here, or can join any advanced class for which they are fitted. For work, see Scientific Course and "Courses of Instruction."

* Latin may be substituted for either French or German.

† Qualitative Analysis or Botany may be substituted for Mineralogy, Lithology, and Geology. Students in the Scientific Course must elect one year's study of either Botany or Zoölogy before graduating.

JUNIOR YEAR.

CLASSICAL COURSE.

REQUIRED.

PHYSICS: — 3
Experimental Lectures on Mechanics, Electricity, Sound, Radiant Energy, with laboratory practice throughout the year.

LOGIC: First half-year. 2
Formal Principles of Inference.
Exercises in Argumentation and Criticism.

HISTORY: First half-year. 1
Mediæval History, with lectures and library work.

HISTORY: Second half-year. 3
Guizot's History of Civilization, with lectures and library work.

RHETORIC: — 1
Principles of Argumentation.
Conduct of Discussion.
Principal Forms of Prose Discourse.
Four debates and three essays.

BIBLE: — 2
Study of the Prophecies and the Life of Christ.

ELECTIVES.*

LATIN: — 3
Plautus, Captivi.
Latin Verse, with selections from Ovid's Metamorphoses, Fasti, and Tristia.
Juvenal: Satires, selected.

GREEK: — 3
Thucydides: selections.
English into Greek from dictation.

MATHEMATICS: — 3
Differential and Integral Calculus, with applications (Rice and Johnson).

BOTANY: — 3
General Morphology, with laboratory work and making a herbarium.

ZOÖLOGY: — 3
Anatomy of Invertebrates: First half-year.
Vertebrates: Second half-year. 3
Lectures and laboratory work throughout the year.

QUALITATIVE ANALYSIS: — 3
MINERALOGY: First term. 3
LITHOLOGY: Second term. 3
GEOLOGY: Third term 3
FRENCH: see Scientific Course. 3
GERMAN: see Scientific Course. 3
ITALIAN: — 3
Perini's Grammar: Oral Exercises.
Reader: Dall 'Ongaro Novelle.
ELOCUTION: — 3
HISTORY OF ART: — 3
STUDY OF SHAKESPEARE: — 3
GREEK TESTAMENT: — 2
MENTAL AND MORAL SCIENCE: — 3
MUSICAL HISTORY, THEORY AND COMPOSITION: — 3

SCIENTIFIC COURSE.

REQUIRED.

PHYSICS: — 3
Experimental Lectures on Mechanics, Electricity, Sound, Radiant Energy, with laboratory practice throughout the year.

LOGIC: First half-year. 2
Formal Principles of Inference.
Exercises in Argumentation and Criticism.

HISTORY: First half-year. 1
Mediæval History, with lectures and library work.

HISTORY: Second half-year. 3
Guizot's History of Civilization, with lectures and library work.

RHETORIC: — 1
Principles of Argumentation.
Conduct of Discussion.
Principal Forms of Prose Discourse.
Four debates and three essays.

BIBLE: —
Study of the Prophecies and the Life of Christ.

ELECTIVES.*

MATHEMATICS: — 3
Differential and Integral Calculus, with Applications (Rice and Johnson).

FRENCH: — 3
Paul Albert's Literature of the Eighteenth Century.
One of Macaulay's Essays from English into French.
Reading of Classics, with Essays and Criticism.

GERMAN: — 3
History of German Literature.
Goethe's Faust, Parts I. and II.
Essays.
Poetry.

LATIN: See Classical Course. 3

BOTANY: — 3
Lectures on Economic Botany, higher and lower Cryptogams, with laboratory work.

ZOÖLOGY: — 3
Anatomy of Invertebrates: First half-year.
Vertebrates: Second half-year. 3
Lectures and laboratory work throughout the year.

QUANTITATIVE ANALYSIS: — 3
MENTAL AND MORAL SCIENCE: — 3
ELOCUTION: — 3
HISTORY OF ART: — 3
STUDY OF SHAKESPEARE: — 3
GREEK TESTAMENT: — 2
MUSICAL HISTORY, THEORY AND COMPOSITION: — 3

* In the Junior year any of the electives offered in Sophomore year may be taken.

SENIOR YEAR.

CLASSICAL COURSE.

REQUIRED.

MENTAL AND MORAL SCIENCE: — 3
Psychology, Metaphysics, Ethics, Moral Philosophy.

RHETORIC: — 1
Lectures on Style, Study of Style in Prose and Verse — five essays.

BIBLE: — 2
History of the Apostolic Church.

ELECTIVES.†

LECTURES ON CHRISTIAN EVIDENCES: — 1

SPECULATIVE PHILOSOPHY*: — 3
Metaphysics, Theism, History of Religions.

LATIN: — 3
Lucretius, Martial, Cicero, and other authors, — selections.
Latin Hymns.

GREEK: — 3
Euripides, Alcestis; Æschylus, Prometheus; Sophocles, Antigone; Euripides, Medea.

GREEK: (Fifth year course). 3
Selections from Plato: from the Greek Drama, from Lyric Poetry.

MATHEMATICS: — 3
Determinants (Dostor), Analytical Geometry of three Dimensions (Aldis), Modern Analytical Geometry (Whitworth).

ANALYTICAL MECHANICS: — 3

THEORETICAL ASTRONOMY: Watson. 3
Determination of Orbits.

PHYSICS: — 3
Laboratory work in Light and Heat, with lectures and library references.
Electrical Measurements and Testing.
Preparation of a Thesis.

ASTRONOMY, PHYSICAL: First two terms. 3

MINERALOGY: First term. 3

LITHOLOGY: Second term. 3

GEOLOGY: Third term. 3

QUALITATIVE ANALYSIS: — 3

QUANTITATIVE ANALYSIS: — 3

BOTANY: see Scientific Course. 3

ZOÖLOGY: see Scientific Course. 3

CONSTITUTIONAL HISTORY: — 3
England: First half-year.
United States: Second half-year.

MODERN HISTORY: — 3
Europe: First half-year.

POLITICAL ECONOMY: Second half-year. 3

LITERATURE: — 3
Special Study of Authors: Spenser, Shakespeare, Milton, Restoration Writers, Eighteenth Century Authors, Chaucer.

FRENCH: — 3

GERMAN: — 3

ANGLO-SAXON: — Sweet's Grammar and Reader (Beowulf).

ITALIAN OR SPANISH: — 3

ELOCUTION: — 3

GREEK TESTAMENT: — 2

HEBREW: — 2

SCIENTIFIC COURSE.

REQUIRED.

MENTAL AND MORAL SCIENCE: — 3
Psychology, Metaphysics, Ethics, Moral Philosophy.

RHETORIC: — 1
Lectures on Style, Study of Style in Prose and Verse — five essays.

BIBLE: — 2
History of the Apostolic Church.

ELECTIVES.†

LECTURES ON CHRISTIAN EVIDENCES: — 1

SPECULATIVE PHILOSOPHY*: — 3
Metaphysics, Theism, History of Religions.

MATHEMATICS: — 3
Determinants (Dostor), Analytical Geometry of three Dimensions (Aldis), Modern Analytical Geometry (Whitworth).

ANALYTICAL MECHANICS: — 3

THEORETICAL ASTRONOMY: Watson. 3
Determination of Orbits.

FRENCH: — 3
Paul Albert's Literature of the Nineteenth Century.
Early French, from the Tenth to the Fifteenth Centuries, by Charles Aubertin, translated into modern French.
Essays, Letters, Criticisms, Lectures.

GERMAN: — 3
Salomon and Gottschall's History of German Literature of the Nineteenth Century.
Medea, by Grillparzer.
Uriel Acosta, by Gutzkow.
Harald, by Ernst von Wildenbruch.
Poetry.

LATIN: see Classical Course. 3

PHYSICS: — 3
Laboratory work in Light and Heat, with lectures and library references.
Electrical Measurements and Testing.
Preparation of a Thesis.

BOTANY: — 3
Lectures on Histology, Phytogenesis, and Elementary Physiology, with laboratory work.

ZOÖLOGY: — 3

ASTRONOMY, PHYSICAL: First two terms.

MINERALOGY: First term. 3

LITHOLOGY: Second term. 3

GEOLOGY: Third term. 3

QUANTITATIVE ANALYSIS: — 3

CONSTITUTIONAL HISTORY: — 3
England: First half-year.
United States: Second half-year.

MODERN HISTORY: — 3
Of Europe: First half-year.
Political Economy: Second half-year.

LITERATURE: — 3
Special Study of Authors: Spenser, Shakespeare, Milton, Restoration Writers, Eighteenth Century Writers, Chaucer

ANGLO-SAXON: — 3
Sweet's Grammar and Reader (Beowulf).

ITALIAN OR SPANISH: — 3

ELOCUTION: — 3

* Required Course must be completed earlier by those who elect this course.

† In the Senior Year any electives offered in previous years may be taken.

Wellesley College Schedule of Recitations and Lectures, Fall Term, 1886.

Department	Professors and Instructors	9 A. M.	9.30 A. M.	10.55 A. M.	11.45 A. M.	1.30 P. M.	2.20 P. M.	3.10 P. M.	4 P. M.
Greek,	Horton, M. E., Chapin, A. C., Montague, A. S., Soule, C. G.,	IV. Greek, Friday, Sat., C. II. " B., Tu., W., Th., C.	III. Greek, B, Friday, Sat., C. II. " A., Tu., W., Th., C. I. " A., W. Th. F. S., M.	III. Greek, B., Tuesday, C. I. " C., Tu. W. Th. F. M.	IV. Greek, Wednesday, C. III. " A., Th., F., S., C.	II. Greek, C., W., Th., F., C. I. " D., Tu. W. Th. S. M.	I. Greek, B., Tu. W. Th. F. C.	II. Greek, D., Th., F., S., C.	
Latin,	Lord, F. E., Emerson, S. A., Clarke, L. F., Clark, E. J.,	II. Latin, B., Tu., W., Th., H.	III. Latin, Tu., W., Th., I. II. " A., Tu., W. Th., F. I. " A., W. Th. F. S., H.	I. Latin, C., Tu. W. Th. F. I.		II. Latin, C., W., Th., S., I. I. " D., Tu. W. Th. S. H.	IV. Latin, W., Th., S., I. I. " B. Tu. W. Th. S. H.	I. Latin, E., Tu. W. Th. S. I.	
Mathematics.	Shafer, H. A., Hayes, E. A., Chandler, E., Burrell, E. L.,	Calculus, Friday, Sat., G. II. Math., C., Tues., Wed., D. I. " A., W. Th. F. S., E.	II. Math., C., Friday, Sat., D. I. " B., W. Th. F. S., G. I. " E., Tu. W. Th. S., E.	Calculus, Thursday, G. I. Math., C., Tu. W. Th. S. E.	II. Math., A., Tu., W., F., G. I. " D., Tu. W. F. S. D.	(App., Math., Wednesday), G. II. " B., Tu. W. Th. F. D. I. " G., Tu. W. Th. S. E.		(App. Math., Tues., Sat.,) G. IV. " A., W., Th., F., G. I. " F., Tu. W. Th. S. D.	
German,	Wenckebach, C. Wenckebach, H., Cordemann, B.,	VI. German, Wednesday, A. III. " B., Tues., F., S., N. I. " D., Wed., Thurs. N. I. " E., Friday, Sat., A.	VI. German, Tues., Thur., A. II. " A., Tu., W., Th., N. I. " A., Saturday, N. I. " D., Friday, N.	IV. German, A., Tu., W., S., A. II. " A., Tu., W., F., N. I. " A., Thursday, N. I. " C., Tu., W., F., L.	III. German, C., Th., F., S., N. II. " B., Th., F., S., A. I. " A., Wednesday, N.	V. German, Tu., Th., S., A. I. " F., Tuesday, N.	II. German, C., W., Th., S., N. I. " B., W., Th., S., A.	IV. German, B., Tu., Th., F., N. III. " A., Tu., Th., S., A. I. " E., Tu., F., S., L.	
Germanic Philology, and Hist. of Art,	Denio, E. H.,				History of Art, Wed., Friday, Annex.		History of Art, Saturday, Annex.	History of Art, Th., Friday, Annex.	History of Art, Saturday, Annex.
French and Italian,	Ségé, Rosalie, Abbott, M., Hintermeister, J.,		III. French, B., Friday, Sat., K. III. " C., Tues., Thur., K.	IV. French, Tu., W., S., K. I. " A., Tu., W., F., H. I. " C., Tu., Th., S., D.	V. French, Tu., Th., S., K. III. " A., Thurs., Sat., G. II. " A., Tu., Th., S., H.	Sci. French, Tu., W., Th., K. I. " B., Tu., Th., S., G. I. " D., W., Th., F., N.	Sci. French, W., Th., S., K. II. " D., W., Th., S., L. (Italian, Wed., Sat.,)	II. French, B., W., Th., F., K. II. " C., Tu., W., F., H. (Italian, Thursday.)	III. French, A. B. C. Lecture, Wednesday, Parlor
English Language and Rhetoric,	Stratton, M. E., Manly, R. M., Monroe, M. C., Howes, M. J.,			Soph., Rhetoric, F., Friday, E.	(Anglo-Saxon, Th., F., S.,) I.	Senior, Rhetoric, A., Wednesday, Parlor. Junior, " C., Tuesday, I. Junior, " D., Friday, I. Soph., " E., Saturday, B.	Senior, Rhetoric, B., Saturday, D. Junior, " A., Wednesday, D. Junior, " B., Thursday, D. Soph., " A., Wednesday, E. Soph., " B., Thursday, E. Soph., " D., Saturday, E.	Senior, Rhetoric, C., Friday, D.	Soph., Rhetoric, C., Wednesday, E.
English Literature,	Hodgkins, L. M. Bates, K. L.,	III. Literature, Tuesday, I.	III. Literature, Friday, Sat., I.	IV. Literature, Friday, B.		IV. Literature, Wednesday, B. II. " Lect., Tuesday, B. I. " " Friday, Chapel.		IV. Literature, Tuesday, K.	
History,	Coman, K., Roberts,	Junior, History, A., Tuesday, B.		Const. History, A., Tues., Wed., B. " " A., Thursday, H. L. R. Mod. " Thursday, B.	Junior, History, B., Saturday, B. Soph., " A., Thurs., Sat., E.	Modern History, Friday, H. L. R.	Const. History, B., W., Th., S., B.	Modern History, Saturday, B. Junior, " C., Thursday, B. Soph., " Lect., Wednesday, H. L. R. Soph., " B., Th., Friday, E.	Junior, History, Lect., Tuesday, H. L. R. Junior, " D., Tuesday, B.
Mental and Moral Philosophy,	Andrews, L. C., Hurll, E. M., Manly, R. M., Case, M. S.,	Mental Philosophy, A., Tu., W., Th., Parlor. Logic, A., Friday, Sat., B.			Mental Philosophy, B., Tu., F., S., Parlor. Logic, B., Wed., Thurs., B.		Ethics (Elective), Tues. Friday, D. " A., Wednesday, A. " C., Thursday, B. " F., Saturday, C.	Mental Philosophy, C., W., Th., S., Parlor. Logic, C., Wed., Friday, B. Ethics, B., Wednesday, C. " D., Thursday, H. " E., Tuesday.	
Chemistry, Mineralogy, Geology, Lithology,	Niles, W. H., Metcalf, M., Marsh, M., Kelsey, K.,	Chemistry, A., Tu. W. F. S., C. L. R. (" E., W., Th., S.,) M.	Quant. Analysis, Wed., F., S., O. Mineralogy, Tu., Th., S., O.	Chemistry, D. Tu., Th., F., C. L. R.	Qual. Analysis, W., Th., S., C. L. R.	Chemistry, B., Tu. W. Th. F. C. L. R.		Chemistry, C., W., Th., S., M.	
Physics,	Whiting, S. F., Aumack, A. E.,	Physics, A. B. C., Lect., Wednesday, P. L. R. " A., Tu., Th.,	Astronomy, Tu., Th., S., P. L. R.		Physics, B., Tu., Friday, P. L. R.			Physics, C., Tues., Sat., P. L. R.	
Botany,	Hallowell, S., Caswell, M., Cooley, G., Gilchrist, M.,	III. Botany, Friday, Sat., Bot. L. II. " A. B., (Lect.) Tuesday, B. L. R. II. " A., Wed., Thurs., Bot. L. II. " B., Friday, Sat., Bot. L. I. " Lecture, Thursday, B. L. R. I. " A., Tues., Wed., Bot. L. I. " B., Friday, Sat., Bot. L.	III. Botany, Friday, Sat., Bot. L. II. " A., Tu., W., Th., " II. " B., Friday, Sat., " I. " A., Tu., W., Th., " I. " B., Friday, Sat., "	III. Botany, Friday, Sat., Bot. L. II. " B., Friday, " I. " B., Thursday, " I. " D., Tues., Wed., "	I. Botany, D., Tu., W., Th., B. L. R.	I. Botany, C., W., Th., S., B. L. R.	I. Botany, C., Wed., Sat., B. L. R.		
Zoölogy,	Willcox, M. A., Barrows, E. A.,	II. Zoölogy, Friday, Sat., Z. L. I. " A., Tu., W., Th., Z. L. I. " B., Friday, Sat., Z. L.	II. Zoölogy, Friday, Sat., Z. L. I. " A., Tu., W., Th., Z. L. I. " B., Friday, Sat., Z. L.	II. Zoölogy, Friday, Sat., Z. L. I. " B., Thursday, Z. L. I. " D., Tu., W., F., Z. L.	I. Zoölogy, B., Thursday, Z. L. I. " D., Tu., W., F., Z. L.	I. Zoölogy, C., W., Th., S., Z. L.	I. Zoölogy, C., W., Th., S., Z. L.	I. Zoölogy Quiz., A. & B., Wednesday, L.	II. Zoölogy, Lect., Friday, Z. L. I. " Thursday, L. I. " Quiz., C. D., Wednesday, L.
Elocution,	Currier, M. A.,		Junior, Elocution, B., Friday, Sat., Parlor.	Junior, Elocution, A., Tues., Wed., Parlor.	Senior, Elocu. (extra), Friday, Chapel. Fr., " E., Wednesday, Parlor.		Junior, Elocution, A. B., Thursday, Parlor. Fr., " D., Tuesday, "	Fr., Elocution, A., Friday, Parlor,	Senior, Elocu., (extra), Tuesday, Parlor. Fr., " B., Friday, " Fr., " C., Thursday, "
Bible,	Twenty Instructors,						Bible Study in Twenty Classes, Tues., Friday.		
Music,	Hill, J. W., and Faculty of Music,	Music Lessons can be arranged for any period on the days named.	Professor Hill, Organ or Piano, Tuesday and Friday, 12 M. H. " " " " Thursday, (except 4 P.M.), 12 " " " Chorus Singing, Thursday, at 4 P. M., Beethoven Society.	Mr. Morse, Vocal Culture, Tuesday and Friday, 13 M. H. Miss Mungcr, " Tuesday and Friday, 21 " Miss Crawford, " Wed. and Sat., (until 3.30 P.M.) 16 "	Miss Middlekauff, Piano, Organ or Harmony, Tues., Wed., Thurs., Friday, Sat., 15 M. H. Miss Hurd, Piano, Tues., Wed., Thurs., Friday, Sat., 10 " Miss Lavery, " Tuesday and Friday, 32 " Miss Edwards, " Wednesday and Saturday, 4 "		
Art,	Miss Bothe, Miss Conan, Miss Hastings,	Water-Color, Friday, Art Studio. Freehand Drawing, Tuesday, Fifth Floor, Centre. " " Tuesday, " W. End.	Water-Color, Friday, Art Studio. Freehand Drawing, Wednesday and Friday, Fifth Floor. Anatomical " Thursday. Private Lessons in Drawing from Casts, or in Painting, and advanced work in Art Course, 9 A M. to 4.30 P.M., Tuesday and Friday, in Art Studio.		Water-Color, Saturday, Art Studio. Freehand Drawing, Wednesday and Thursday, Fifth Floor.	Water-Color, Saturday, Art Studio. Freehand Drawing, Thursday, Fifth Floor. Drawing from Casts and Life, Wed., Thurs., Sat., in Art Studio.	

Sen.—Senior. Jun.—Junior. Soph.—Sophomore. Fr.—Freshman. I., II, Etc., preceding or following refers to the course. Tu.—Tuesday. W.—Wednesday. Th.—Thursday. F.—Friday. S.—Saturday. C. L. R.—Chemical Lecture-room. P. L. R.—Physical Lecture-room. B. L. R.—Botanical Lecture-room. H. L. R.—Historical Lecture-room. Bot. L.—Botany Laboratory. Z. L.—Zoölogy Laboratory. M. H.—Music Hall.

To be arranged in September, 1886:—II. Physics. V. Greek. Greek Testament. Hebrew. Sanskrit. Speculative Philosophy. Germanic Philology. Political and Social Science.

Parentheses signify "Subject to change in September." If any Division of I. Botany or I. Zoölogy be dropped, it must be D.

Mineralogy and Astronomy may be changed to 2.20 non-Bible Days. Qualitative Analysis may be changed to 3.10. Recitations in II. Literature will be assigned in September, 1886.

Graduate Instruction.

GRADUATES of Wellesley, and other institutions of equal rank, may continue their studies at the College, whether they make application for a higher degree or not. Graduate students in residence are given personal direction, and special opportunities for study. They are subject to such regulations only as may be adopted for them by the Academic Council.

All the Courses of Instruction, and all the examinations offered by the College in any department, are open to graduates of any college or university, upon the payment of the full annual fee of one hundred dollars. Non-resident students who are applicants for a second degree will pay a matriculation fee of ten dollars, and a fee of twenty-five dollars upon receiving the Master's degree.

The Council will recommend for the degrees of Master of Arts and Master of Science, those who hold the corresponding first degree, and, in addition, present the result of two full years of study, taken under the direction of a special committee of the Council.

The second degree can in no case be taken earlier than two years after the first, nor earlier than three years, unless one year's work, at least, has been done in the College, or under instruction approved by the committee in charge.

The privilege of taking the entire graduate course in non-residence, is restricted to graduates of this College.

At least two months before taking the degree, the candidate must either pass a satisfactory examination upon the completed work, or present a thesis which she is prepared to defend.

Degrees.

STUDENTS who complete the Classical Course will, on the recommendation of the Council, receive the degree of Bachelor of Arts.

Students who complete the Scientific Course will, on recommendation of the Council, receive the degree of Bachelor of Science.

The degree of Bachelor of Music will be granted upon the conditions stated under the head of School of Music.

The degrees of Master of Arts, and Master of Science, will be granted upon the conditions stated under the head of Graduate Instruction.

Courses of Instruction offered for 1886-'87.

A description of the general plan and scope of instruction is given, to aid students in their selection of a course of study, and in their choice of electives during the course. Unless otherwise stated, each course extends throughout one year, three hours a week.

I. THE CLASSICS.*

1. GREEK.

1. Plato: Apology and Crito; Herodotus (selections); Odyssey (selections); English into Greek from dictation.
2. Greek Prose Composition. Demosthenes (select orations).
3. Thucydides (selections); English into Greek from dictation.
4. Euripides, Alcestis; Æschylus, Prometheus; Sophocles, Antigone; Euripides, Medea.
5. Selections from Plato; From the Drama; from Lyric Poetry.

---

*School of Classical Studies at Athens.—This College has become a contributor to the support of the American School of Classical Studies at Athens. The School affords facilities for archæological and classical investigation and study in Greece, and graduates of this College are entitled to all its advantages without expense for tuition.

Greek Testament.

1. Text-study on the Gospels, with lectures. One year, two hours a week.
2. Text-study on the Acts and Epistles, with lectures. One year, two hours a week.

II. LATIN.

1. Prose Composition; Letters of Cicero, selected; Livy, Book XXI.; Tacitus: Germania and Agricola.
2. Horace: Odes, Satires, and Epistles, selected; Prose Composition; Letters of Pliny, selected.
3. Plautus, Captivi; Latin verse, with selections from Ovid's Metamorphoses, Fasti and Tristia; Juvenal: Satires, selected.
4. Lucretius, Martial, Cicero, and other authors, selections; Latin Hymns.

Classical students are instructed in the Literature, History, Mythology, Archæology, and Art of Greece and Rome. They have unrestricted use of numerous works of reference and illustration, together with the latest and best German, French, and English editions of the classics. There is, also, a large collection of copies in plaster and sulphur from antique coins, medals, and gems, for the illustration of Classical Studies and Ancient History.

III. HEBREW.

Introductory Hebrew Method and Elements of Hebrew (Harper); Text-study and sight Translation; Selections from the Historical Books and from the Psalms; Hebrew Syntax (Harper).

IV. SANSKRIT.

Whitney's Sanskrit Grammar; Reading at sight; Lanman's Reader; Lectures. One year, two hours a week.

II. MATHEMATICS.

1. Solid and Spherical Geometry (Chauvenet); Advanced Algebra (Newcomb); Plane Trigonometry (Chauvenet).
2. Theory of Equations; Analytical Geometry (Puckle).
3. Differential Calculus (Rice and Johnson); Applications of Differential Calculus (Rice and Johnson); Integral Calculus, with applications (Johnson).
4. Determinants (Dostor); Analytical Geometry of Three Dimensions (Aldis); Modern Analytical Geometry (Whitworth).
5. Analytical Mechanics.
6. Spherical Trigonometry (Chauvenet); Theoretical Astronomy (Watson); Determination of Orbits.

III. GERMANIC LANGUAGES AND LITERATURES.

1. MODERN GERMAN.

1. Grammar: Deutsche Grammatik für Amerikaner, by Wenckebach-Schrakamp. One written exercise weekly.
   Reading: Erstes Deutsches Lesebuch für Amerikaner, by Wenckebach.
   Object Lessons: Deutscher Anschauungs-Unterricht für Amerikaner, by Wenckebach.
   Poetry: Die Schönsten Deutschen Lieder, selected by Wenckebach.

These text-books in Grammar, Object-Lessons, and Poetry, will be used also in the following courses:—

2. Grammar, written exercises and composition; Object Lessons; Poetry, committed to memory; Reading of Bilderbuch ohne Bilder by Andersen, Höher als die Kirche by Wilhelmine von Hillern, Der Neffe als Onkel by Schiller, (or equivalents).

3. Grammar, composition and letter-writing; Object Lessons; Lyric Poetry; Lectures and recitations on Schiller's life and works (Viehoff and Scherr), especially Die Räuber, Fiesko, Cabale und Liebe (Cotta's edition of Schiller's works, Vol. II.); Reading of Schiller's Maria Stuart and Die Jungfrau von Orleans (Cotta's edition, Vol. V.).
4. History of German Literature to the Reformation: Leixner's and König's deutsche Literaturgeschichte, Scherr's Germania; History of the German Language: Grimm's Law of Transmutation, Deutscher Anschauungs-Unterricht, chapters 17 and 18; Goethe's life and works (Viehoff and Düntzer), especially Götz von Berlichingen, Egmont and Tasso; Reading of Iphigenie auf Tauris by Goethe, Don Carlos by Schiller, Nathan der Weise by Lessing (Cotta's editon); Lyric Poetry; Essays: Deutscher Anschauungs-Unterricht, chapter 21.
5. History of German Literature from the Reformation to the "Romantische Schule": Leixner's, König's, and Roquette's deutsche Literaturgeschichte, Scherr's Germania; Goethe's Faust, Parts I. and II.: Faust von Goethe mit Erklärung, herausgegeben von K. T. Schröer; Lyric Poetry; Essays.
6. History of German Literature of the nineteenth century: Leixner's, Salomon's, and K. Gottschall's Geschichte der deutschen National-Literatur des 19. Jahrhunderts; Reading of Medea by Grillparzer, Uriel Acosta by Gutzkow, Harald by Ernst von Wildenbruch; Lyric Poetry; Essays and lectures by students; History of Civilization to Charlemagne.

II. HISTORY AND LITERATURE OF THE GERMANIC LANGUAGES.

Gothic: Ulfilas.
Old High German: Braune's Althochdeutsches Lesebuch.
Middle High German: Das Nibelungenlied.

This course is designed for advanced students in German. The instruction consists of lectures in German, supplemented by reading and recitations. The

lectures treat of the origin of language, and the development and growth of the present New High German.

A Deutsches Seminar is held one evening each week, where selections from German Literature from the ninth to the sixteenth centuries are read and discussed.

The following periodicals are received for the use of this department: —

Germania: Zeitschrift für deutsches Alterthum; Zeitschrift für deutsche Philologie; Beiträge zur Geschichte der deutschen Sprache und Literatur.

IV. ROMANCE LANGUAGES AND LITERATURES.

I. FRENCH.

1. Causeries avec mes Elèves, and Grammaire pour les Anglais, by L. Sauveur; six fables of La Fontaine committed to memory, and made the subject of conversations; two modern plays from Bocher's College Plays, vol. 1; L'Héritage de Xénie, by H. Gréville, read and translated.
2. Grammaire pour les Anglais, concluded; Hennequin's Lessons in Idiomatic French, with written and oral exercises; Mme. Alliot's Auteurs Contemporains; Bocher's College Plays, vol. 1, concluded; Athalie, by Racine; Contes Merveilleux, by Sauveur.
3. Demogeot's Histoire de la Littérature Française, jusq'au XVII^e^ Siècle; Selections into French from A. Mariette's Half-hours of French Translation; Grammaire de la Troisième Année, by Larive et Fleury; three classic plays, Le Cid, Les Femmes Savants, Andromaque.
4. Demogeot's Histoire de la Littérature Française, XVII^e^ Siècle; selections from Mariette's Great English Writers, from English into French; Reading and criticism of selections from Descartes, Pascal, the Port Royalists, Corneille, Racine, Molière, La Bruyère, Mme. de Sévigné, Mme. de La Fayette, Bossuet, Fénélon; Essays, criticisms, and lectures.

5. La Littérature Française du XVIII^e^ Siècle, by Paul Albert; one of Macaulay's Essays from English into French; reading of classics; essays and criticisms; lectures by the Professor and the students.
6. La Littérature Française du XIX^e^ Siècle, by Paul Albert; reading and criticism of selections from the Romantic School. L'Ancien Français du X^e^ au XV^e^ Siècle, by Charles Aubertin, translated into modern French; Essays, letters, criticisms, lectures.
7. A double elective in the reading of scientific French prose is offered to students who wish to make science their object. This class meets six times a week, but can be divided by arranging with the Professor of the department.

Text-books.—French Drill, by A. Aubert; Normal Series, French Popular Science, by Jules Lignières; L'Année Scientifique et Industrielle, by Louis Figuier.

II. ITALIAN.

First year.—Perini's Grammar, Oral Exercises; reader, Dall'Ongaro Novelle.

Second year.—Grammar and Reader completed; Prose Composition, Narration, Dictation; Manzoni's I Promessi Sposi.

III. SPANISH.

Grammar and Reader, Oral Exercises, Reading at sight.

V. ENGLISH LANGUAGE AND LITERATURE.

I. RHETORIC AND ENGLISH COMPOSITION.

1. D. J. Hill's Science of Rhetoric: Organic Structure of the Essay: Laws of Narration, Description, and Exposition, with brief papers illustrating the principles studied. In addition to these exercises, six essays are required during the year.

2. Studies of Argumentation, with lectures on Oral and Written Discourse. Four debates and three essays are required.
3. Lectures on Style; Spencer's Philosophy of Style; Critical Analysis of Selections in Prose and Poetry. Four essays are required on literary, historical, and philosophical themes.

An elective course in Rhetoric and Composition is also arranged for those students who do not enter the regular classes. Each of these courses extends through one year, one hour a week.

II. ENGLISH LITERATURE.

1. Nineteenth Century Literature. Lectures on English and American Authors, one hour a week.
2. Outlines of General Literature, beginning with the corruption of the Latin Tongue; Mediæval Epics; Early Literature of Italy, Spain, France and Germany; Outline History of English Literature. One hour a week.
3. Critical study of the Shakespearean Drama.
4. Study of English Classic Authors: Spenser, Shakespeare, Milton, Writers of the Restoration, Writers of the Eighteenth Century, Chaucer.
5. History of American Literature. One term, one hour a week.

Special Courses for the study of English Translations of Homer and Dante are arranged, and will be given if a sufficient number of students wish to form a class.

No class text-books are used. Instruction is given by lectures and topics, whose elaboration is made dependent upon constant and thorough use of the College Library.

A large Shakespeare Library has been formed to encourage the study of this author. The publications of the new Shakespeare Society and the "Deutschen Shakespeare Gesellschaft" are regularly received.

III. ANGLO-SAXON.

Sweet's Reader and Grammar. Beowulf, and selections from other early English poems.

For the study of early English Literature, the Library offers Rolbing, Englische Studien, Archiv für das Studium der Neureren Sprachen und Literaturen; the pub-

lications of the early English Text Society, the Chaucer Publication Society, the Camden Society, with many others. For the study of Anglo-Saxon, the Library offers the publications of the Aelfric Society and of the Surtees Society, and various editions of Anglo-Saxon documents. The publications of the Royal Society of Northern Antiquaries, Copenhagen, and of the English and American Philological Societies are received, and there are several editions of the Sagas and Eddas in the original.

VI. HISTORY.

1. Political History of England: lectures and library work; first half-year.
2. Political History of France: lectures and library work; second half-year.
3. History of European Civilization: Early Mediæval History, once a week, first half-year; Later Mediæval History, and the study of the Fifteenth and Sixteenth Centuries; Guizot's History of Civilization, with illustrative lectures and library studies; three times a week, second half-year.
4. History of Modern Europe: lectures and library work; first half-year.
5. Constitutional History of England: Independent work on the part of the student, after Historical Seminary methods. Principal authorities, Stubbs, Hallam, May; first half-year.
6. Constitutional History of the United States: Historical Seminary methods. Principal authorities, Von Holst, Bancroft, Hildreth; second half-year.
7. Political Economy: Mills' Political Economy, with lectures and library work; second half-year.

VII. POLITICAL SCIENCE.

1. Lectures on Primitive Societies; Growth of States; Forms of Government; Development of Constitutional Government; Relation of Government to Society.
2. Growth of Law; Rise and Progress of International Law.
3. Political and Social Institutions. Discussion of important questions in Social Science.

VIII. MENTAL AND MORAL PHILOSOPHY.

1. Principles of Christian Ethics. One exercise a week, one year.
2. Scripture Studies in Ethics and Moral Philosophy. Two exercises a week, one year.
3. Logic — Formal Principles of Inference: Exercises in Argumentation and Criticism. Two exercises a week, one half-year.
4. Psychology, Ethics, Moral Philosophy. Three exercises a week, one year.
5. Speculative Philosophy, Metaphysics, Theism, History of Religions. Three exercises a week, one year.

The method used in all these courses may be described in general as: —

A Text-book work: the analytic study of selections from the writings of the masters in Science, Philosophy, and the Liberal Arts.

B Exercises written by the student: *a* Exposition of the Phenomena of Mental Science; *b* Systematic Discussion of the Philosophic Theories.

C Class-room lectures, discussions, and recitations.

IX. CHEMISTRY.

1. Lectures on General Chemistry, with laboratory work and chemical problems.
2. Qualitative Analysis: first and second terms.
3. Organic Chemistry: third term.
4. Quantitative Analysis, both Volumetric and Gravimetric.

All the students have access to the Library of Chemistry and Mineralogy. The chemical periodicals are regularly received for the use of the students.

X. MINERALOGY, LITHOLOGY, AND GEOLOGY.

1. Blowpipe Analysis and examination of hand-specimens: first term.
2. Crystallography and Lithology: second term.
3. Geology: third term.

In the Blowpipe Analysis Brush's text-book is followed. In Descriptive Mineralogy no one text-book is used, but similar sets of minerals are placed before the class, one set for each pupil, and a list of the physical properties is made. Subsequent recognition at sight of the minerals is required. The class is taught to draw crystal forms. In Lithology, the compound microscope and polariscope are used. There is a good collection of rock-sections.

The course in Geology is designed to give the students a general knowledge of the history of the earth, and of the methods of geological study and reasoning. An outline of the physical changes which are in progress is given, as a fitting introduction to the interpretation of the records of the past. The instruction consists of lectures, supplemented by reading and recitations. The specimens in the collections are used as freely as the circumstances will permit.

XI. PHYSICS AND ASTRONOMY.

1. Lectures on the experimental method; work and energy; kinematics, kinetics; forces exhibited in matter, solid, liquid, and gaseous; electricity; theory of undulations; sound; radiant energy.

Abundant lecture-room experiments illustrate the subject under consideration. Laboratory experiments, performed by the students once a week, teach the use of instruments of precision for minute measurement, and the determination of physical constants, and some mathematical and graphical methods of discussing the results of observations. A knowledge of mathematics through plane trigonometry is necessary.

Although no Physics is required for entrance, those who have pursued an elementary course will have an opportunity of forming a separate class, in which they can make more rapid progress.

2. Light: Photometry, photography, measurement of angle of prisms, indices of refraction; mapping of spectra of the sun, of metals, and gases rendered incandescent by the electric spark, and of absorption spectra; study of the phenomena and theory of color and of polarized light; measurement of wave lengths.

Electricity: Study of the properties of the current; measurements; electro-magnetics; applications.

Heat: Thermometry, calorimetry, laws of radiant heat. The experiments are intended to train the student to accuracy of observation, skill in experimenting, and clearness of statement of scientific facts.

The laboratory work is accompanied by lectures and readings from the special libraries, and frequent recitations. As far as possible, experiment precedes theory, and the student is led to make inductions. Experience has caused a high educational value to be placed upon individual experimental work.

Those who wish to prepare to teach are instructed in the various departments of lantern projection, and are given frequent opportunity to present a new subject in the form of a lecture before the class.

Text-books: Pickering's Physical Manipulations, Kohlrausche's Physical Measurements, Daniell's Principles of Physics. Students constantly use the reference library, of over one thousand books, which is in the laboratory. Ten periodicals are received chiefly for the use of this department.

3. Physical Astronomy: first and second terms. The lectures begin with the inductions which can be made from observations without instruments, and always, as much as possible, state facts, and lead the students to reason upon them. The latter part of the course is given to the physical constitution of the sun and spectroscopic astronomy.

The lectures are illustrated by lantern-slides, charts, and globes, and are accompanied by frequent observation of the heavens with a four-and-a-half inch telescope. Spectroscopic astronomy is illustrated by laboratory work sufficient to show some of the methods of the new astronomy. A knowledge of mathematics through plane trigonometry is necessary.

XII. BOTANY.

1. Lectures on Descriptive Anatomy. General Morphology, with laboratory work and the making of herbarium.
2. Lectures on Economic Botany. Laboratory work in the more difficult orders of Phænogams, — grasses, sedges, etc. Higher Cryptogams, followed by lectures on lower Cryptogams, with laboratory work.
3. Lectures on Histology, Phytogenesis, and Vegetable Physiology, with laboratory work.

The study of the gross and minute anatomy of the various organs of plants, is followed by a consideration of the changes of form which they undergo in different species, according to their conditions of life. Plants thus studied are carefully described, compared, and grouped in accordance with their genetic relations.

Special attention is given to the orders which have been supposed to present peculiar difficulties, and which, for this reason, are often neglected. In the study of orders, mention is made of the prominent species of each, especially those furnishing useful products. In connection with the study of vegetable tissue, instruction is given in practical Microscopy, in the use of micro-chemical re-agents, and in preparation of microscopical specimens.

Succeeding this branch of the science is the study of the plant in action, and the consideration of questions pertaining to its life-history. A

portion of the second year is also given to the determination of dried specimens of plants, and to the study of the flora of some assigned locality.

Every object studied in the laboratory is sketched. To give facility in this indispensable part of the work, opportunities are given to the students to receive every week, throughout the course, free instruction in drawing, and painting in water-colors.

The following botanical periodicals are regularly received for the use of this department: Curtis' Botanical Magazine; Botanische Zeitung; Bulletin de la Société Botanique de France; Annales des Sciences Naturelles; Journal of Botany; Journal of the Linnæan Society; Grevillea; Hedwigia, and Botanical Gazette; Torrey Botanical Club.

XIII. ZOÖLOGY.

1. Anatomy of Invertebrates, one-half year. This course is mainly preparatory. It serves both to open up gradually and systematically the principles of Zoölogy, and to familiarize the students in laboratory technique. Beginning with the unicellular animals, familiar examples of the various plans of invertebrate structure are examined in the laboratory. The anatomy of each form is studied in detail, and students are encouraged to draw inferences as to the physiology and habits of the animal.
2. Anatomy and Embryology of Vertebrates, one-half year. This course includes (*a*) detailed study of several vertebrates; (*b*) an outline of the development of the chick; (*c*) a comparative study of the chief systems of the vertebrate body as to both anatomy and development; (*d*) a few lectures on such philosophical topics as the Origin of Species and Geographical Distributions.

3. Systematic Zoölogy, one term. The students will collect and identify a considerable number of specimens. These will be chiefly land and fresh-water invertebrates, although several expeditions will be made to the excellent marine collecting-grounds near the college. Vertebrate classification will also be touched upon; but as this part of the subject is less difficult, it will be left mainly for private work. That the significance of resemblances and differences between animals may be understood, a selected group will be carefully studied with reference to its phylogeny. The group selected for the ensuing year is the Coëlenterata. The text-book is Claus and Sedgwick's Zoölogy, supplemented by English, French, and German memoirs.

4. Vertebrate Histology. Two terms' instruction is given in the best methods of hardening and injecting specimens, as well as their immediate preparation for microscopic examinations. Text-book, Foster's Practical Physiology, 5th ed. Reference-books especially recommended, Quain's Anatomy, 9th ed., Vol. II.; Schäfer's Histology.

Preparation.— A knowledge of drawing is indispensable. Free instruction is provided for those who require it. A reading knowledge of French and German, and acquaintance with the elements of chemistry, is very desirable in Courses 3 and 4.

Apparatus.— Microscopes, re-agents, etc., are provided by the College. Dissecting instruments may be provided by the students, or be rented for a small fee.

Museum.— This is solely a working one, but no pains will be spared to make it effective. It contains a considerable number of glass models, as well as others executed in wax and *papier maché*.

Literature.— There is an excellent zoölogy library, and the following zoölogical periodicals are regularly received: —

American Naturalist; Science; Nature; American Monthly Microscopical Journal; Quarterly Journal Microscopical Science; Journal of the Royal Microscopical Society; Foster's

Journal of Physiology; Journal de l'Anatomie et de la Physiologie de l'Homme et des Animaux; Annales des Sciences Naturelles; Zoölogie et Paleontologie; Zoölogischer Anzeiger; Zeitschrift für Wissenschaftliche Zoölogie; Morphologisches Jahrbuch; Mittheilungen aus der Zoölogischen Station zu Neapel; Jenaische Zeitschrift für Naturwissenschaft; Archiv für Mikroscopische Anatomie.

XIV. PHYSIOLOGY AND HYGIENE.

A course of elementary lectures upon those points of human anatomy and physiology which bear upon hygiene, is given in the first term.

In the second and third terms, an elective course in hygiene and sanitary science is offered.

XV. ELOCUTION.

Elocution is open to all the students as an elective study. Private instruction is given at the same expense as for Vocal Music.

Special students desiring to fit themselves for teachers in Oratory, will find facilities here for thorough instruction.

XVI. HISTORY OF ART.

1. Early Christian Art. Architecture of Ravenna. Byzantine Art. The Romanesque Style. The Art of Illumination. Gothic Architecture. The Work of the Goldsmiths. Mediæval Sculpture and Painting.

2. Renaissance Architecture and Sculpture. Early Renaissance Painting. Engraving and Miniature Painting. The Schools of Tuscany, Umbria, Padua and Venice. Leonardo da Vinci. Michelangelo, Raphael. The Schools of Siena, Ferrara, and Bologna.

The instruction in History of Art is given by lectures and recitations, supplemented by work in the Art-Laboratory. This work consists in a more careful examination and study of the books and pictures used in lectures to illustrate the different subjects.

The valuable Art Library and collection of unframed pictures are arranged in the Art Lecture-Room, and made especially accessible to the students who elect this course.

The following periodicals are received for the use of this department: —

The Portfolio; Art Amateur; Magazine of Art; L'Art; Gazette des Beaux-arts; Magasin Pittoreqsue; Zeitschrift für bildende Kunst; Die graphischen Künste.

Public Lectures and Concerts.

In addition to the Courses of Instruction which have been described, many lectures and concerts are given each year in the College Chapel, which are open to all students, without extra fees.

Last year twenty concerts were given, and over fifty lectures and readings, including seven lectures on Political and Social Science, six on the History of Art, six on the College Library, twelve on the History of Education and Teaching, eight before the Christian Association, three before the Microscopical Society, and French and English Readings and Lectures.

Wellesley School of Music.

The School of Music is located in Music Hall, which contains thirty-eight music-rooms and a hall for lectures and choral singing. Forty-two pianos and two large organs are furnished for the use of students. The organ presented by Mr. W. O. Grover has three manuals, each of sixty-one notes, a pedal of thirty notes, and twenty-six speaking-registers. It contains 1,584 pipes.

REQUIREMENTS FOR ADMISSION.

Candidates must meet the general requirements for admission; and, unless accepted on certificate, must pass satisfactory examinations in

Mathematics, as required for the Freshman class.
Latin, as required for the Freshman class.

Modern Language may be substituted for Latin.

History, Greek and Roman (Smith and Merivale's). Outline of English and United States History.
English Literature. (Shaw's Manual, or an equivalent).
English Composition, as for the Freshman class.
Geography, as for the Freshman class.

Special students for any musical study will be received.

COURSES OF STUDY.

Three full courses are offered, each extending through five years; students at all times taking three studies — two lessons per week in each.

I. Piano: Harmony and Composition, and German or French.
II. Organ: Harmony and Composition, and German or French.
III. Voice: Harmony and Composition; two years Italian; three years German or French.

Violin, Viola, Violoncello, Harp, or any orchestral instrument, may be made a speciality instead of the above-mentioned principal studies.

Theory and Æsthetics, and

Lectures on History of Music — last year of each course, weekly.

Students who complete either of these courses will receive the diploma of the School of Music; and if specially talented and deserving, the degree of Mus.B.

THE FIVE YEARS' CLASSICAL OR SCIENTIFIC AND MUSICAL COURSE.

Students entering the Classical or Scientific Course may combine the regular study of Music with the work required for a degree, the collegiate studies extending through five years instead of four. Students in this course will preserve their rank as members of the College class which they enter.

Any one of the three courses of instruction may be selected — the Pianoforte, the Organ, or the Voice. Lessons on the Harp, Violin, Viola, and Violoncello are subject to special arrangements.

Instruction will be given in classes of three — two lessons a week, or the equivalent in a private lesson.

All students in Music pay for the use of organs or pianos.

COURSE OF STUDY FOR THE PIANOFORTE.

FIRST YEAR.

Selections from the following works, according to the judgment of the teacher and needs of the students: —

WORKS FOR TECHNIQUE.

Czerny: Op. 849, six books; Op. 299, three books. Bertini: Op. 29. Loeschhorn: Op. 66, three books. Köhler: Op. 60. Krause: Op. 2, Trill Studies; Op. 5, two books; Op. 9, Etudes in Broken Chords. Heller: Op. 47, two books; Op. 46, two books. Plaidy's Technical Studies. Emery's "Head and Hands." Clementi's Preludes and Exercises. Bach's Two-part Inventions.

PIECES.

Sonatinas and easier Sonatas of Haydn, Mozart, Clementi, Reinecke, Merkel, and Krause. Sonatas of Beethoven; Op. 2, No. I; Op. 10, Nos. I. and II.; Op. 14, Nos. I. and II. Mendelssohn's Songs without Words; Caprices, Op. 16; Kinderstuecke, Op. 72; and other short pieces. Selections of moderate difficulty from the best of the modern composers. Works for four hands.

SECOND YEAR.

ETUDES.

Czerny: Op. 740, three books; Op. 409. Jensen: Op. 32. Mayer: Op. 305. Cramer's Fifty Studies, first half. Clementi's Gradus, first half. Kullak's Octave

School. Krause: Op. 15, Left-hand Studies. Heller: Op. 45, two books; Op. 16, Art of Phrasing. Eschmann: Op. 22. Technics by Plaidy, Emery, and Tausig.

PIECES.

The more difficult Sonatas of Haydn, Mozart, Clementi, and Dussek. Beethoven: Op. 2, Nos. II. and III.; Op. 7; Op. 10, No. III.; Op. 13; Op. 26. Lesser works of the Bachs, Scarlatti, and other ancient writers. Selections from the works of Mendelssohn, Chopin, Schumann, and other writers of the modern romantic school. Bach's Preludes.

THIRD YEAR.

ETUDES.

Czerny: Op. 740, continued. Cramer (Bülow), continued. Clementi (Tausig), continued. Moscheles: Op. 70, two books. Bennett: Op. 11. Mayer: Op. 119. Kullak's Octave School. Bach's Preludes and Fugues.

PIECES.

Sonatas of Dussek and Hummel. Suites of Bach, Handel, and Scarlatti. Beethoven: Sonatas, Op. 22; Op. 27, Nos. I. and II.; Op. 28; Op. 31, Nos. I., II., and III. Concertos of Hummel and Mozart. Preludes and Fugues, Rondos and Caprices of Mendelssohn. Impromptus of Schubert. Preludes, Impromptus, and shorter pieces of Chopin. Noveletten and Fantasiestuecke of Schumann.

FOURTH YEAR.

ETUDES.

Czerny's Virtuoso Etuden. Chopin: Op. 25. Henselt: Op. 2. Baermann: Op. 4. Grund: Op. 21. Seeling: Op. 10. Toccatas of Czerny, Schumann, Rheinberger, and others. Bach's Preludes and Fugues.

PIECES.

Beethoven: Sonatas, Ops. 54, 57, and 81; Variations; Concertos, Nos. I and III. Schubert's Sonatas. Mendelssohn's Concertos and Variations. Chopin's Variations, Ballades, Scherzi, Nocturnes, and Polonaises. Concert pieces of Rheinberger, Saint-Saëns, Raff, Scharwenka, Moszkowski, and others.

FIFTH YEAR.

ETUDES.

Chopin; Op. 10. Henselt; Op. 5. Schumann; Op. 13. Thalberg. Liszt. Rubinsteir

PIECES.

Last Sonatas of Beethoven. Fourth and Fifth Concertos of Beethoven. Fantasies and concerted pieces of Schumann, Chopin, Liszt, Rubinstein, and others.

COURSE OF STUDY FOR THE ORGAN.

FIRST YEAR.

Manual playing in two, three, and four parts (without pedals) for perfection of touch and execution, as exemplified in the works of Rink, André, Hesse, and Lemmens.

Rink's Organ-School, Books I., II., and III.

Studies in Registration.

Offertories by Wély and Batiste.

Easy Choral Preludes of Bach, Richter, Merkel, Papperitz, and others. Short Fugues of Bach.

SECOND YEAR.

Rink's Organ-School, continued.

Buck's Studies in Pedal Phrasing.

Arrangements from the Sonatas and Symphonies of Haydn, Mozart, and Beethoven.

Choruses arranged from Handel's Oratorios.

Selections from Bach's Organ Fugues.

Mendelssohn's Sonatas. Preludes, Fantasies, and other pieces from Wély, Guilmant, Merkel, Batiste, and Hesse. Best's Arrangements.

THIRD YEAR.

Handel's Concertos.
Mendelssohn's Sonatas.
Ritter's Sonatas.
Merkel's Sonatas.
Toccatas, Preludes, and Fugues of Bach.
Concert Pieces, by the best English, French, and German masters.
Best's Arrangements, continued.

FOURTH YEAR.

The more difficult works of Bach, Handel, Ritter, Guilmant, Widor, and Saint-Saëns.
Best's Arrangements, continued.

FIFTH YEAR,

Bach's Trio Sonatas, Fugues, and Passacaglia.
Rheinberger's Sonatas.
Thiele's Concert Pieces.
Best's Arrangements.
Concert Pieces of the best masters, ancient and modern.

COURSE OF STUDY IN SOLO SINGING.

FIRST YEAR.

The Voice as an instrument. Formation of Tone. Study of the Scales; major, minor, and chromatic. Slow trills and simple musical figures, with the vowels *a*, *i*, and *o* pure and modified. Rules for breathing, and their practical application. Concone's Studies. Exercises Elémentaires Gradués, by Mme. Marchesi. Vocalises, by Vaccai, Sieber, and Marchesi. Exercises for the flexibility of the vocal chords, Selected songs in English, French, German, and Italian.

SECOND YEAR.

Continuation of the above. Lamperti's Bravura Studies, Books I. and II. Advanced studies for agility. Songs by the best American and European composers. Simple Scenas and Arias from the Italian, French, and German Operas. Airs from the Oratorios.

THIRD YEAR.

Lamperti's Bravura Studies, Books I., II., and III. Etudes by Bordogni. Vocalises by Panofka, Marchesi, and Rossini. Songs of Schumann, Franz, Mendelssohn, Rubinstein, and best English and French writers. Oratorio. Scenas and Arias from standard operas. Operatic Arias by Handel, arranged by Robert Franz.

FOURTH YEAR.

Résumé of previous work. Study of music by the old German, Italian, and English masters. Selections from the more difficult cavatinas and concerted pieces from the operas. Oratorio singing continued.

FIFTH YEAR.

Bravura singing as exemplified in the best works of present and past composers.

The great Arias and concerted pieces from the Classic Operas and Oratorios. Selected Songs.

Elocution is studied during each year of the course in solo singing.

HARMONY AND MUSICAL THEORY.

The importance of this branch to all musical students cannot be overstated. While a moderate familiarity with its principles and practice greatly facilitates the progress, a sound knowledge of Harmony is essential to the success of all vocalists and instrumentalists. It is urgently recommended that all those who can, will, sooner or later, include Harmony with their other Musical work. In case of special students in Music, and those who desire to graduate, the study of Harmony will be required.

TEXT-BOOKS USED IN HARMONY.

Emery's Elements of Harmony.
Richter's Manual (translated by J. C. D. Parker).
Richter's Counterpoint (translated by Franklin Taylor).
Richter's Fugue (translated by Arthur Foote).
Wohlfahrt's Guide to Musical Composition.

STUDY OF THE VIOLIN.

It is hoped that many students will embrace the opportunity offered by the College to study this instrument under one of the ablest instructors of Boston.

ENSEMBLE PLAYING.

Every facility is offered for the study and practice of what is known as chamber music — the Fantasies, Romances, Sonatas, and Trios of the great Masters, for the Piano and Violin, with addition of Violoncello, and occasionally other instruments.

SIGHT-SINGING, ANALYSIS, AND INTERPRETATION.

For the benefit of vocal students and others who are deficient in this respect, classes in Sight-singing have been formed, and are free to members of the Beethoven Society. All others will be charged a small fee.

Classes in Analysis and Interpretation of classical works will be formed by the Director, in case it is desired by at least six students.

CONCERTS AND LECTURES.

At frequent intervals, recitals and concerts will be given by the advanced students in the several departments, by members of the Faculty of the School of Music, and by distinguished musicians from Boston and elsewhere.

All concerts and lectures are free, but it is hoped that all who are able will contribute to the "Concert Fund."

Lectures on Theory and Æsthetics, and on the History of Music and Musicians, are given throughout all the courses by the Director and non-resident lecturers.

School of Art.

The purpose of the School of Art is to develop individual ability and the expression of individual ideas. The course of study extends through five years, and diplomas are awarded upon its completion. The requirements for admission are the same as for the School of Music. Students may enter an advanced class at any time by presenting satisfactory specimens of the work required in the previous years of the course.

COURSE OF STUDY.

FIRST YEAR.

Drawing from objects and casts; Design; Geometrical and Perspective Drawing.

SECOND YEAR.

Drawing and shading from casts and life. Study of Anatomy.
Illustrated lectures on the History of Egyptian and Greek Art.

THIRD YEAR.

Drawing from life. Painting from still life — fruit or flowers.
Illustrated lectures on the History of Italian Art.

FOURTH YEAR.

Painting from life.
Illustrated lectures on the History and Characteristics of Art in Germany, France, and England.

FIFTH YEAR.

Painting from life.
Composition.

THE FIVE YEARS' CLASSICAL, OR SCIENTIFIC AND ART COURSE.

A regular course of five years' instruction in Art will be given upon the same plan which has proved so satisfactory in the study of Music.

Students who enter any one of the regular college courses may combine with it the course in Art, their regular collegiate studies being distributed through five years instead of four. Free instruction in the Art Course will be given to those who enter the Freshman Class of the Classical Course *unconditioned*. Students in the Scientific Course can take the Art Course; but the instruction is not free, as the expenses of the laboratories are fully equivalent to the expenses of the Art Course.

SPECIAL INSTRUCTION.

Free instruction in Freehand, Mathematical, and Perspective Drawing is given to the students in the regular College Courses, for one year, two hours per week. All the classes in Botany receive free instruction in flower-painting, and the classes in Zoölogy, in drawing.

Private lessons in the various branches of Art will be given to those who desire them. For terms, see Expenses.

Art Collections.

The School of Art is furnished with a collection of over two thousand engravings, photographs, etchings, and drawings; a series of stereoscopic views illustrating the history and art of different nations and periods; a

collection of paintings in oil and water colors, some of which are copies of the old masters, and others by Gifford, Quartley, Vedder, Zwengauer, Cole, Hübner, Webb, Chapman, Friar, Bellows, Lambinet, Ellen Robbins, and other artists, illustrate the modern schools of art; the Hammatt Billings collection of drawings, illustrating the Apocalypse; copies of ancient armor; a ceramic collection; coins and pieces in bronze and iron; one hundred statues and busts; and a large collection of casts from the antique.

A complete descriptive catalogue of the works of art has been published for the use of the students.

The Libraries and Reading-Room.

The Libraries of the College contain 29,500 carefully selected volumes, not including pamphlets, and are open for the use of the students during the day and evening. Besides the General, there are the following Special Libraries: —

The Scientific Library numbers 490 volumes, and is divided into
Mathematical Library, 485 vols.
Botanical Library, 925 vols.
Library of Physics and Physical Astronomy, 1,140 vols.
Library of Zoölogy and Physiology, 836 vols.
Library of Chemistry, Mineralogy, and Geology, 800 vols.

Most of the books in these libraries are placed, for convenience, in the laboratories of the departments to which they belong.

College Library.

The Gertrude and Sunday Libraries, with other collections in the General Library, furnish 3,425 volumes for Biblical study and religious reading.

The Art Library numbers over 700 valuable books, many of them rare collections illustrating the finest works of the old masters.

The Musical Library contains the biographies of the great artists and composers, histories of music, books of essay and criticism, the great oratorios and operas, and an increasing collection of vocal and instrumental music by the best composers.

The Stone Hall Library, of valuable literary, historical, and religious works, is being accumulated through private generosity.

Ninety-five American, English, French, and German periodicals are taken for the General Library. About sixty daily, weekly, and monthly journals are taken for the Reading-room.

Besides the regular book and card catalogues as used in the best libraries, a complete and minute classification on the shelves, by subjects, is well advanced by trained cataloguers, under the supervision of the Consulting Librarian. With this, is being made a complete subject-catalogue in a separate book for each main class, an exhaustive catalogue and analysis on cards, and the fullest printed index of topics that has yet been arranged for library use. To all books, catalogues, and indexes, all students have unrestricted access, day and evening; and it is purposed to make the training in the best methods of reading and consulting libraries an important factor in the College Course. Besides the personal efforts of Librarian and Faculty to this end, readers' manuals, guides, and all the aids that the recent study of leading librarians has proved most valuable, will be provided.

In addition, a course of lectures will be given each year on the following subjects: How to use the Library; Author and Subject Reading; The best General Reference-books and their use; The Classification and best Reference-books in each class.

Laboratories and Scientific Collections.

1. CHEMICAL AND MINERALOGICAL LABORATORIES.

In the department of Chemistry there are three Laboratories, which are fully supplied with apparatus and chemicals. These Laboratories are arranged for the accommodation of one hundred and fifty students doing experiments in general chemistry. They are furnished with pneumatic sinks, gas, and hoods for the manipulation of noxious gases.

Laboratory accommodation is provided for students of Qualitative and Quantitative Analysis.

In the Mineralogical Laboratory there is room for thirty students to experiment at the same time. Each place is furnished with a set of blow-pipe tools, and all the apparatus and re-agents necessary for the determination of minerals by chemical tests.

The Mineralogical Cabinet comprises between five and six thousand minerals, which are well adapted for the purposes of instruction. Among these are a number of natural crystals, which aid the study of crystallography.

In the Lithological collection, the principal varieties of rocks are well represented by hand-specimens and by microscopical sections.

A collection for the purpose of illustrating the subjects of Structural and Historical Geology has been begun.

2. PHYSICAL LABORATORIES.

The department of Physics has a convenient lecture-room, with lantern and *portelumière* for the illustration of lectures. Water, wires from the battery, oxygen, hydrogen, and illuminating gas are at the lecturer's desk. Apparatus necessary for instruction and illustration has been selected

with great care from the best makers in England, Germany, France, and America. There is a Professor's Laboratory, for the preparation of experiments, and Students' Laboratory, supplied with instruments for quantitative work which is arranged in eight separate rooms and alcoves. A dark room is supplied with Bunsen's Photometer, for measuring the candle-power of lights, and with apparatus for other experiments in Light. A room is fitted up for an Electrical Laboratory, and is supplied with Wheatstone's Bridge and Resistance Coils; Thomson's Mirror Galvanometer and Lamp-stand, made by Elliot, of London; the instruments of a telegraphic station; and other apparatus necessary for electrical measurements. There is also a Battery-room and a room for Photography.

3. BOTANICAL LABORATORY.

The Laboratory for the study of Morphology accommodates one hundred students for lectures, or fifty for laboratory-work. Each student has her own table, dissecting microscope, and other appointments. Adjoining are the College Herbarium and Botanical Museum, and a third room for the pressing and preparation of plants. On the same floor is the Botanical Library,—all being accessible to students. On the floor above is a lecture-room for classes in advanced work, and a Histological Laboratory, furnished with eighteen Compound Microscopes, and with Cameras and Micrometers for accurate drawing. Cases of chemical re-agents, and all the necessary apparatus for the preparation and mounting of microscopic specimens, are provided.

A new Laboratory has recently been opened for the experimental study of Vegetable Physiology. It is furnished with water and gas, with requisite chemical and physical apparatus, and with such other appliances as are necessary to enable students to carry on independent research. All the Laboratories are supplied with water, and all face the north, thus securing the most favorable light for microscopic work. Flowers are supplied from the large College greenhouse during the winter.

The collection illustrative of Botany includes,—

1. The Herbarium, containing upward of five thousand specimens, besides a full collection of the lowest fungi.
2. A collection of woods, fruits, and of economic vegetable products.
3. Thirty-three charts, hand-painted; six botanical charts, by Prof. Henslow, of Edinburgh; fifty German charts, by Kny.
4. The botanical model collection, being a series of thirty-four models of phœnogamous plants, and thirty-four models of fungi, made by Auzoux, of Paris. Each part of the object represented is greatly magnified, and is separable from every other part.

4. ZOÖLOGICAL LABORATORIES.

There are two laboratories; one for elementary and one for advanced students. Both are near the Zoölogical library. Every student is provided with a case of re-agents, a dissecting and a compound microscope. For special demonstration lenses of exceedingly high power are available.

Accessories which aid in the pursuit of the subject are: the museum, a typical collection of both vertebrates and invertebrates; a considerable and increasing number of charts; a collection of models in wax, glass, or *papier-maché*, including a manikin, and models of separate organs and mechanisms.

5. MICROSCOPICAL LABORATORY.

There are in constant use, in the different departments, ninety-nine microscopes of various patterns, including a Polari-Microscope, and one especially adapted to the study of rock-sections. There is a large battery of objectives, ranging in power from one-twenty-fifth inch down, and a variety of accessory apparatus. Care has been taken to represent in this collection the best makers in Europe and America.

Members of the advanced classes, and special students who wish, may, in a weekly class, learn the general manipulation of the microscope and its various applications.

6. MATHEMATICAL MODELS.

The collection of Mathematical Models consists of a set of models in wood for use in Synthetic Geometry; seven thread models of surfaces of the second order; five card models of the same, showing circular sections; and seventy-four plaster models of surfaces of the second and higher orders.

Gymnasium.

THE GYMNASIUM has been improved and fitted up under the direction of Dr. D. A. Sargent, director of Harvard Gymnasium, and, by the use of his system of physical training, is conducted on a strictly scientific basis, the amount and manner of exercise being carefully prescribed, and directed, according to the needs of each individual. The apparatus includes chest-weights, clubs, horizontal and parallel bars, rowing-machines, flying-rings, inclined planes, and a great variety of mechanical arrangements for special work. There is an opportunity for those students who wish, to take special training, in addition to the work required by the College.

All work in the Gymnasium, required or elective, is under the constant supervision of a resident Director, who studied with Dr. Sargent, and who has had several years' successful experience in teaching gymnastics.

Societies.

THE MICROSCOPICAL SOCIETY affords opportunity for an exchange of results of work in the different departments of science, and of individual work. Meetings are held monthly, and the papers presented are illustrated by exhibitions of objects under microscopes, or by lantern projection.

The Shakespeare Society was formed in 1876, and is a branch of the London Shakespeare Society, whose publications it regularly receives. Its sessions are held once in three weeks.

Bridge ober Maban Water.

The Beethoven Society is a choral organization, conducted by the Director of the School of Music. It is open to all students of this school, and to others who are able to sing ordinary music

at sight. The weekly rehearsals are devoted to the study of part-songs and choruses by Abt, Gounod, Kienzl, Bennett, Möhring, Mendelssohn, Reinecke, Rheinberger, Rubinstein, Schubert, and others.

The Wellesley Christian Association is devoted to the promotion of religious life in the College, to arousing intelligent interest in social reforms, and to the spread of the gospel in all lands.

Domestic Department.

All students in the College buildings aid in the lighter domestic work, in the clerical labor and the administration of the offices, libraries, and departments of instruction. Much valuable information and discipline are thus secured to the student, though the time occupied is never more than one hour daily.

Sharing daily duties, and bearing mutual responsibilities for the common good, have proved to be of great educational value in establishing health and developing character. The influence of this service, rendered heartily, is invaluable in producing, during the years of purely mental training, habits of accuracy, self-reliance, unselfishness, and genuine sympathy with all workers. This department aims at every point to aid all the others in preparing women of high intellectual culture for the duties of home and social life.

Expenses.

The price of board and tuition, including heating and lights, for each student, regular or special, is $300 per year, — $200 payable on entrance, $100 on the first of January. Each student will be liable for special dam-

ages. The price for tuition alone is $100 per year. Checks or money-orders must be made payable to the order of Wellesley College.

That as many as possible may enjoy the benefits of the College, the charges are kept at the lowest possible point. Hence it must be clearly understood that in case of withdrawal during the year, unless for some providential reason that may seem to the Executive Committee to be adequate, the student has no claim for the return of any part of the money she has paid. Students can arrange for board at the College during the Christmas and Spring vacations at $6 per week.

EXTRA CHARGES FOR MUSIC LESSONS.

For private instruction, for the College year, on Piano, Organ, Violin, or in Vocal Music, two lessons per week	$100 00
One lesson per week	50 00
(Lessons forty-five minutes each.)	
For the same Instruction, for the College year,—two half-hour lessons per week	75 00
Harmony, class of two, each student	40 00
" " three "	30 00
" " four "	25 00
Ensemble playing, class of three, each student	35 00
Interpretation and Analysis, class of three, each student	35 00
Sight-singing	15 00
(Lessons forty-five minutes, weekly.)	
All students pay for the use of the Piano or Reed Organ, one period daily, for the year	10 00
For two periods, daily	20 00
For three periods, daily	30 00
For use of the Pipe Organ in Music Hall, one period daily, for the year	15 00
For two periods, daily	30 00
For use of the Organ in the College Chapel, one period daily, for the year	20 00
For two periods, daily	40 00
For additional time in proportion.	

Lectures on the Theory and History of Music are free to candidates for the Musical Degree.

Charges for instruction on instruments not mentioned, will be fixed when the lessons are arranged.

EXTRA CHARGES FOR INSTRUCTION IN ART.

For one lesson per week for College year	$36 00
For two lessons per week for College year	66 00
For three lessons per week for College year	90 00

(The lessons are two and one-half hours in length.)

PECUNIARY AID.

The following scholarships of $5,000 each have been established: —

The Wood Memorial Scholarship, founded in 1878, by Mrs. Caroline A. Wood, in memory of her husband.

The Grover Scholarship, founded in 1878, by William O. Grover.

The Weston Scholarship, founded in 1878, by David M. Weston.

The Northfield Seminary Scholarship, founded in 1878.

The Pauline A. Durant Scholarship, founded in 1880, by Mr. and Mrs. Durant.

The Sweatman Scholarship, founded in 1880, by V. C. Sweatman of Philadelphia.

The Walter M. Baker Memorial Scholarship, founded in 1880, by Mrs. E. W. J. Baker.

The Annie M. Wood Scholarship, founded in 1880, by Frank Wood.

The Frost Scholarship, founded in 1880, by Rufus S. Frost.

The Union Church Scholarship, founded in 1880, by Mr. and Mrs. A. W. Stetson.

The Cheever Scholarship, founded in 1880, by John H. Cheever of New York.

The Florence N. Brown Memorial Scholarship, founded in 1880, by Mr. and Mrs. Samuel N. Brown, Jr.

The Augustus R. Clark Memorial Scholarship, founded in 1880, by Mr. and Mrs. A. N. Clark.

Four Harriet Fowle Scholarships, founded in 1881, by Henry Fowle Durant, in memory of his mother.

The Durant Memorial Scholarship, founded in 1883, by the officers and students of Wellesley College, in honor of Henry F. Durant.

The Jane Topliff Memorial Scholarship, founded in 1883, by Mrs. William S. Houghton, in memory of her mother.

Five scholarships known as the "Stone Educational Fund," founded in 1884, by Mrs. Valeria G. Stone.

The Margaret Fassett Hunnewell Memorial Scholarship, founded in 1885, by Francis Wells Hunnewell. By the gift of E. A. Goodenow of Worcester, in 1885, the sum of $250 will be divided annually among five deserving students.

The income of these scholarships is appropriated yearly, under the direction of the Students' Aid Society, to help those who require assistance; but it is wholly insufficient to meet the wants of the numerous applicants.

THE STUDENTS' AID SOCIETY, OF WELLESLEY COLLEGE.

Contributions of any amount will be gladly received from those interested in helping poor girls who desire to obtain an education. There is no charity more useful than helping those who are trying to help themselves. It is hoped that all who are generously disposed will send their much-needed help to the Treasurer of the Society, Mrs. Pauline A. Durant.

More than $11,000 have been appropriated by this Society during the

present year to assist faithful students. The funds collected are held and controlled by the Society. In some cases money is loaned to students, to be repaid by them, without interest, whenever they are able to do so; in some cases assistance is given, partly in gifts and partly in loans. All applications for assistance from the scholarship funds or from the "Students' Aid Society" must be made by letter, addressed to the Secretary, Mrs. Goodwin, 232 Clarendon Street, Boston.

Longfellow's Fountain.

WANTS OF THE COLLEGE.

We ask the attention of all who are interested in the higher education of women, to the immediate needs of the College. It is now established upon such a firm footing that we can, with confidence, appeal to the public for aid. It has been filled with students from its commencement. This year it has received 520 students.

The advanced courses of study, the watchful care of the students' health, the standard of character, refinement, and usefulness, are known throughout the country. Many of our students are already doing good work as teachers, and we have had the privilege, every year since the College opened, of sending one or more missionaries from among our students to the foreign field.

We ask all who appreciate the influence of learned and refined women, to aid the College by gifts or legacies.

If the present low rates of board and tuition are to be maintained, there must be permanent endowments. Gifts or bequests of money to the Trustees, with authority to use the income to defray the general expenses of the College, are the most practical form of assistance. The bequest of $30,000 will endow a professorship.

The most pressing want is a scientific building, as the accommodations of the College are insufficient for the increasing requirements of the scientific departments. An astronomical observatory, properly equipped, is also an immediate necessity.

The school of Art needs statues, pictures, engravings, models, and other works of art. The College has no debt, as the Trustees confine its expenses strictly to the means which are furnished. Permanent funds are carefully invested by the Finance Committee of the Trustees.

FORMS OF BEQUEST.

I give and bequeath to the Trustees of Wellesley College the sum of ——— thousand dollars, to be appropriated by the Trustees for the benefit of the College, in such manner as they shall think will be most useful.

I give and bequeath to the Trustees of Wellesley College the sum of ——— thousand dollars, to be safely invested by them, and called the ——— Scholarship Fund. The interest of this fund shall be applied to aid deserving students in Wellesley College.

I give and bequeath to the Trustees of Wellesley College the sum of ——— thousand dollars, to be safely invested by them, and called the ——— Endowment Fund. The interest shall be applied to the payment of the salaries of teachers in Wellesley College, as the Trustees shall deem expedient.

As an expression of the spirit in which the institution has been founded, we quote the inscription in the Bible placed in the corner-stone of the College :—

This building is humbly dedicated to our heavenly Father, with the hope and prayer that he may always be first in everything in this institution; that his Word may be faithfully taught here, and that he will use it as a means of leading precious souls to the Lord Jesus Christ. "Except the Lord build the house, they labor in vain that build it.' (Psalm cxxvii.)

"Thine, O Lord, is the greatness, and the power, and the glory, and the victory, and the majesty: for all that is in the heaven and in the earth is thine: thine is the kingdom, O Lord, and thou art exalted as head above all. Both riches and honor come of thee, and thou reignest over all; and in thine hand is power and might; and in thine hand it is to make great, and to give strength unto all. Now, therefore, our God, we thank thee and praise thy glorious name. But who am I, and who is my people, that we should be able to offer so willingly after this sort? For all things come of thee, and of thine own have we given thee. For we are strangers before thee, and sojourners, as were all our fathers: our days on the earth are as a shadow, and there is none abiding.

"O Lord our God, all this store that we have prepared to build thee an house for thine holy name cometh of thine hand, and is all thine own." (1 Chron. xxix. 11–16.)

The following sentences are from the Deed of Gift of Stone Hall, erected by Mrs. Valeria G. Stone, in 1880:—

I wish the building to be always regarded and used as one that has been *sacredly consecrated to the promotion of a truly Christian education, and the development of Christian character and life.*

It is my hope and prayer that the young ladies who in the coming years may enjoy the benefits of "Stone Hall," may learn as the most important of all lessons to become *noble Christian women*, and devote their powers and their attainments to earnest lives of Christian usefulness.

I have often and sadly observed the pitiable worthlessness, both to themselves and others, of the lives of women when given up to selfish frivolity, or wasted in the pursuit of mere personal enjoyment. And often, too, have I noted, with admiration and gratitude to God, the saintly beauty and beneficent power of the lives of truly Christian women, whose learning has been too genuine for skeptical conceit, and whose refinement has been too thorough for fastidious selfishness; but whose highest aim has been simply to do, faithfully and cheerfully, the work which God, in his providence, had assigned them, wherever and whatever it might be.

Such are the women whom, for their own sake and the world's, I most earnestly desire to aid in training,—women who will always regard *a symmetrical Christian character as the most radiant crown of womanhood*, and a life spent in humble imitation of Him who "*came not to be ministered unto, but to minister*," as the noblest of all aims.

With this expression of my wish and prayer, and with the earnest hope that these views may always find active sympathy in those to whom the work of instruction in Wellesley College shall be intrusted, I hereby, with gratitude to God for the power and the opportunity, commit to the Trustees "Stone Hall," erected and furnished, as a sacred trust, to be held and used by them for the purpose indicated—*the Christian education of women for their more efficient service of the world and of God.*

Summary of Students by Classes.

Fifth year	11
Seniors	63
Juniors	67
Sophomores	81
Freshmen	131
Total	353

Resident Graduates	11
Candidates for Bachelors' Degrees	353
Non-Candidates for Degrees	156
Total Number, 1885–1886	520

Non-resident Candidates for Masters' Degrees, 20.

Summary of Students by States and Countries.

Massachusetts	140
New York	69
Pennsylvania	33
Illinois	30
Maine	28
New Jersey	27
New Hampshire	26
Ohio	24
Vermont	21
Connecticut	19
Kentucky	12
Iowa	10
Rhode Island	9
Minnesota	8
Kansas	6
Michigan	6
Virginia	5
District of Columbia	4
Missouri	4
Wisconsin	3
Colorado	3
Maryland	3
Tennessee	3
Indiana	2
Nebraska	2
Utah	2
Washington Territory	2
California	1
Dakota	1
Georgia	1
Montana Territory	1
Oregon	1
South Carolina	1
India	4
Turkey	4
Canada	2
Greece	1
Mexico	1
Nova Scotia	1
Total for 1885–1886	520

Degrees Conferred in 1885.

Bachelor of Arts.

FIVE YEARS' CLASSICAL-MUSICAL COURSE.

Florence Bigelow, Natick, Mass.
Emma Louise Boies, Greenwich, N. Y.
Ermina Conkling, Fort Plain, N. Y.
Martha Matilda Giltner, Portland, Oregon.
Emily Ray Gregory, Philadelphia, Pa.
Amelia Avery Hall, Westerly, R. I.
Kitty Payne Jones, Brockton, Mass.
Marietta Read Mason, Pawtucket, R. I.
Mary Emma Meddick, Ovid, N. Y.
Harriet Alter Peale, Lock Haven, Pa.
Harriet Caroline Powe, Cheraw, S. C.
Verna Evangeline Sheldon, Chicago, Ill.
May Smith, Cuero, Texas.
Edith Souther Tufts, Dover, N. H.

FOUR YEARS' COURSE.

Alice Maud Allen, Gloucester, Mass.
Sarah Lilian Burlingame, Worcester, Mass.
Ella May Cook, Nashua, N. H.
Sarah Brainerd Coolidge, Leicester, Mass.
Charlotte Sophia Denfeld, Westborough, Mass.
Lydia Baker Essex, Fall River, Mass.
Jennie Amelia Gillmore, Charlestown, Mass.
Nellie Maria Hardy, Worcester, Mass.
Helen Augusta Howard, Worcester, Mass.
Gertrude Howe, Newburyport, Mass.
Eliza Hall Kendrick, Nashua, N. H.
Mabel Lampman, Perrysburgh, Ohio.
Ellen Goodrich Means, Augusta, Me.
Effa Lena Morgan, Elgin, Ill.
Emma Frances Purington, Brunswick, Me.
Jessie Louise Van Vliet, Albany, N. Y.
Mary Slosson Wadhams, Pittsfield, Mass.
Mary Elizabeth Welsh, Gloucester, Mass.
Mary Christina Wiggin, Paterson, N. J.

Bachelor of Science.

Amanda Evelyn Barrows, Reading, Mass.
Emma Grace Dewey, Jacksonville, Ill.
Alice Osborn Dow, Reading, Mass.
Sara Dudley, Candia, N. H.
Florence Floyd, Waverly, N. Y.
Rebecca Trott Greene, Brewer, Me.
Mary Frances Harriman, Cottage Grove, Minn.
Mary Dale Henderson, Montgomery, Pa.
Kate Wellman Hitchcock, Kalamazoo, Mich.
Fanny Brackett Hoyt, Brockton, Mass.
Martha Roberts Mann, Charlestown, Mass.
Grace Bertha Marsh, Batavia, N. Y.
Gertrude Whittier Mendenhall, Westminster, N. C.
Mary Maria Petty, Bush Hill, N. C.
Florence Hortense Reed, Shrewsbury, Mass.
Mary Comstock Strong, New York, N. Y.
Harriette Leonard Williams, Yarmouth, Me.
Gertrude Antoinette Woodcock, Altoona, Pa.

Graduates of the School of Music.

COURSE IN PIANOFORTE PLAYING.

Ermina Conkling, Fort Plain, N. Y.
Emily Ray Gregory, Philadelphia, Pa.
Cornelia H. B. Rogers, Bridgeport, Ct.
Edith Souther Tufts, Dover, N. H.

COURSE IN VOCAL MUSIC.

Fanny Ansley Massie, New Lebanon Centre, N. Y.

Graduate of the School of Art.

Charlotte Belle Emerson, Rockford, Ill.

MEMBERS OF THE CLASS OF 1885, IN THE FIVE YEARS' COURSES WITH MUSIC.

Clara Louise Andrews, Rochester, N. Y.
Julia Bissell, Ahmednagar, India.
Mary Sharp Daniels, Dover, N. J.
Mary Elvira Ellis, Rochester, N. Y.
Alice Woodbury Emerson, Methuen, Mass.
Nellie Godard, Richville, N. Y.
Bertha Arnot Holbrook, Gouverneur, N. Y.
Martha Belle Hopkins, Peru, Ill.
Frances Anna Scudder, Vellore, India.
K. Gertrude Stevens, Niles, Mich.

Degrees Conferred in 1886.

Five Years' Courses, with Music.

BACHELOR OF ARTS.

Julia Bissell, Ahmednagar, India.
Mary Sharp Daniels, Dover, N. J.
Alice Woodbury Emerson, Methuen, Mass.
Frances Anna Scudder, Vellore, India.

BACHELOR OF SCIENCE.

Clara Louise Andrews, Rochester, N. Y.
May Elvira Ellis, Rochester, N. Y.
Nellie Godard, Richville, N. Y.
Bertha Arlena Holbrook, Gouverneur, N. Y.

Four Years' Courses.

BACHELOR OF ARTS.

Alice Vivian Ames, Philadelphia, Pa.
Marion Eugenia Huse Barrows, Reading, Mass.
Elizabeth Williams Braley, New Bedford, Mass.
Anna Elliott Broadwell, Jacksonville, Ill.
Gertrude Brown, New York City.
Mary Bliss Damon, Concord, Mass.
Mathilde Catherine Denkman, Rock Island, Ill.
Effie Fredlein Dwyer, Grafton, Mass.
Susan Florence Maine, North Stonington, Conn.
Annie Manning, New Brunswick, N. J.
Sarah Leila McKee, Danville, Ky.
Helen Abbott Merrill, New Brunswick, N. J.
Clara May Oldham, Wellesley Hills, Mass.
Mary Louise Palmer, Wilkesbarre, Pa.
Ellen Fitz Pendleton, Westerly, R. I.
Anna Keyes Phillips, No. Chelmsford, Mass.
Minnie Kate Rees, Hebron, O.
Henrietta Shelton Rendall, Madura, So. India.
Emily Maria Robinson, Homer, N. Y.
Mary Stanton, Sandwich Center, N. H.
Nellie Frances Tilton, Natick, Mass.
Clara Rosanna Walker, Spencer, Mass.
Elizabeth Sanderson White, Weston, Mass.

BACHELOR OF SCIENCE.

Mary Georjean Baker, Sandusky, O.
Claudia Bennett, Three Rivers, Mich.
Harriot Brewer, Sandusky, O.
Isabel Darlington, West Chester, Pa.
Olive Davis, Honeoye Falls, N. Y.
Grace Brown Dodge, Plymouth, Mass.
Mary Jansen DuBois, Napanoch, N. Y.
Mary Elizabeth Hayden, Underhill, Vt.
Florence Elizabeth Homer, Chicago, Ill.
Jessie Kirkpatrick, Salt Lake City, Utah.
Sarah Ellen Lilly, London, O.
Una Lodor, Trenton, N. J.
Anna McLaury, Forestville, N. Y.
Harriet Lathrop Merrow, Merrow, Conn.
Mary Caroline Mosman, Auburndale, Mass.
Susan Wade Peabody, St. Louis, Mo.
Louella Smith, West Addison, Vt.
Ada Mary Thompson, Dover, N. H.
Caroline Cadwell Tyler, Rome, N. Y.
Elizabeth Isabel Wallace, Zacatecas, Mex.

Graduates of the School of Music.

PIANO AND HARMONY.

May Elvira Ellis, Rochester, N. Y.
Nellie Godard, Richville, N. Y.
Frances Anna Scudder, Vellore, India.

VOICE AND HARMONY.

May Emma Sleeper, Worcester, Mass.

Members of the Class of '86.

IN THE FIVE YEARS' COURSES WITH MUSIC OR ART.

Alice Dana Adams, Holliston, Mass.
Kate Rider Andrews, Rochester, N. Y.
Anne Louise Barrett, Rochester, N. Y.
Kate Lobdell Clarke, Newport, R. I.
Lucy Florence Friday, Warren, Pa.
Willietta Goddard, Worcester, Mass.
Edith Holmes Gregory, Beverly, N. J.
Harriet Jessup Hand, Scranton, Pa.
Rose Delle Howe, Groton, N. Y.
Jessie Munger, Plainfield, N. J.
Mary Tucker Noyes, Kodikanal, So. India.
Lilian Edna Pool, Portland, Ore.
Jennie Belle Semple, Mount Vernon, O.
Flora A. Smeallie, Hagaman's Mills, N. Y.
Annie Hutchins Williams, Thompson, Conn.
Ada Geneva Wing, Palmer, Mass.

LIST OF TEXT-BOOKS

RECOMMENDED TO STUDENTS PREPARING FOR WELLESLEY COLLEGE.

Jones's First Lessons in Latin	*S. C. Griggs & Co., Chicago.*
Allen and Greenough's Grammar Allen and Greenough's Cæsar, Cicero, Virgil	*Ginn, Heath & Co., Boston.*
Harkness' Latin Grammar Harkness' Cæsar, Cicero, Vigil	*D. Appleton & Co., New York.*
Latin Prose Composition, by E. Jones	*S. C. Griggs & Co., Chicago.*
Merivale's General History of Rome	*D. Appleton & Co., New York.*
First Lessons in Greek, by J. R. Boise	*S. C. Griggs & Co., Chicago.*
White's First Lessons in Greek	*Ginn, Heath & Co., Boston.*
Greek Prose Composition, by E. Jones	*S. C. Griggs & Co., Chicago.*
Hadley's Greek Grammar	*D. Appleton & Co., New York.*
Goodwin's Greek Grammar	*Ginn, Heath & Co., Boston.*
Xenophon's Anabasis, by J. R. Boise	*D. Appleton & Co., New York.*
Homer's Iliad, by J. R. Boise	*S. C. Griggs & Co., Chicago.*
Homer's Iliad, by R. P. Keep	*F. Allyn, Boston.*
W. Smith's History of Greece	*Harper Bros., New York.*
Olney's Complete School Algebra Olney's University Algebra	*Sheldon & Co., New York.*
Chauvenet's Elementary Geometry	*J. B. Lippincott & Co., Philadelphia.*
Deutsche Grammatik für Amerikaner, by Wenckebach-Schrakamp	*W. Christern, New York.*
Deutsches Lesebuch, by Wenckebach	*Carl Schoenhof, Boston.*
Deutscher Anschauungs-Unterricht, by Wenckebach	*Carl Schoenhof, Boston.*
Die Schönsten Deutschen Lieder, by Wenckebach	*Macmillan & Co., New York.*
Sauveur's Grammaire pour les Anglais	*Carl Schoenhof, Boston.*
Sauveur's Causeries avec mes Elèves	*Carl Schoenhof, Boston.*
Sauveur's Contes Merveilleux	*Carl Schoenhof, Boston.*
Sauveur and Van Daell, Parole Française	*Carl Schoenhof, Boston.*
Grammaire de 3ième Année, par Larive et Fleury	*Carl Schoenhof, Boston, or W. Christern, New York.*
Hennequin's Lessons in Idiomatic French	*D. Appleton & Co., New York.*
Les Auteurs Contemporains, par Mme. L. Alliot-Boymier	*H. Holt & Co., New York.*
Hart's Composition and Rhetoric	*Eldridge & Bros., Philadelphia.*
Principles of Rhetoric, A. S. Hills	*Harper Bros., New York.*
Guyot's Physical Geography	*Scribner, Armstrong & Co., New York.*
Higginson's History of the United States	*Lee & Shepard, Boston.*

CONTENTS.

ADMISSION, Requirements for . . 16
To Classical Course . . . 16
To Scientific Course . . . 19
To Special Courses . . . 23
To Advanced Standing . . 20
Examinations for . . . 21
As Special Students . . . 23
On Certificate 21
ANNOUNCEMENTS 3
ART, School of 54
Course of Study 54
Five Years' Classical or Scientific and Art Course 55
Special Instruction . . . 55
History of 44
Collections 55
ASTRONOMY 39
BEQUEST, Forms of 69
BOARD OF TRUSTEES 5
BOARD OF VISITORS 4
BOTANY, ... 41
CHARTER 14
CHEMISTRY 38
CLASSICS, THE 30
COURSES OF STUDY 24
COURSES OF STUDY FOR 1886–1887 . 25
DEED OF GIFT OF STONE HALL . 71
DEGREES 29
Conferred in 1885 . . . 73
Conferred in 1886 . . . 75
DOMESTIC DEPARTMENT . . . 64
ELOCUTION 44
ENGLISH LANGUAGE AND LITERATURE 35
EXPENSES 64
FACULTY, INSTRUCTORS, etc. . . 6
GEOLOGY 39
GERMANIC LANGUAGES AND LITERATURES 32
GRADUATE INSTRUCTION . . . 29
GYMNASIUM 62
HEALTH, Arrangements for Promoting 14
HISTORY 37
INSCRIPTION IN BIBLE IN CORNER-STONE 70
LABORATORIES 59
LECTURES AND CONCERTS, Public . 45
LIBRARIES 56
LITHOLOGY 39
MATHEMATICS 32
MENTAL AND MORAL PHILOSOPHY . 38
MINERALOGY 39
MUSIC, School of 46
Courses of Study . . . 47
Course of Study for Pianoforte . 48
Course of Study for Organ . . 50
Course of Study in Solo Singing 51
Course of Study for Violin . . 53
Requirements for Admission . 46
Five Years' Classical or Scientific and Musical Course . . . 47
Harmony and Musical Theory . 52
Concerts and Lectures . . 53

Pecuniary Aid 66
Physics 39
Physiology and Hygiene . . 44
Political Science 37
Reading-Room 56
Romance Languages and Literatures 34
Scientific Collections . . 59
Societies 62
Stone Hall 22
Students' Aid Society . . . 67
Summary of Students, By Classes 72
By States and Countries . . 72
Text-Books Recommended . . 77
Wants of College 69
Zoölogy 42

Dana Hall.

This School, in the village of Wellesley, is a fitting-school for Wellesley College One of its Associate Principals was for six years a teacher in Wellesley College; Greek and Latin are under the direction of one of its graduates, while the courses in Music and in Art are arranged with special reference to the corresponding courses at the College.

Lectures and Concerts at Wellesley College are open to the members of the school.

Pupils completing the Preparatory Course may enter the College without further examination.

For circulars, and other information, address the Principals,

JULIA A. EASTMAN,
SARAH P. EASTMAN,
Wellesley, Mass.

The Wellesley School,

PHILADELPHIA.

The instruction is under the charge of teachers from Wellesley College, selected by the College Faculty. Everything possible is done to secure the health, comfort, and happiness of the pupils.

Those who satisfactorily complete the College Preparatory Course, may enter Wellesley College without further examination.

Music is made a specialty.

Miss CORDELIA BRITTINGHAM, Principal.
Mrs. M. E. W. ROOT, Home Superintendent.

The School is under the personal supervision of Rev. J. R. Miller, D.D.

Opportunities are given to attend Lectures and Concerts. Instruction in the Sciences and Higher English branches may be elected.

For further information, address

Miss ELIZABETH B. ROOT,
2027 Chestnut Street, Philadelphia, Penn.

TEACHERS' REGISTRY.

SUPERINTENDENTS OF SCHOOLS, AND OTHERS,

WISHING

RELIABLE TEACHERS OF GREEK, LATIN, GERMAN, FRENCH, MATHEMATICS PHYSICAL AND NATURAL SCIENCES, LITERATURE AND HISTORY,

For Colleges, Seminaries, Academies, High Schools, Grammar Schools, etc.,

May get full and confidential information of the qualifications, ability, and character of teachers educated at the College.

In the Teachers' Department are many who have had successful experience in teaching in High and Grammar Schools and Seminaries.

Graduates are fitted for high positions, and as teachers of Greek, Latin, Mathematics, Physical and Natural Sciences, have been unusually successful.

All our students who wish situations as teachers, have the aid of the Teachers' Registry free.

Address inquiries and applications,

TEACHERS' REGISTRY,

Wellesley College, Wellesley, Mass.